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NEW YORK



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HOUSE & GARDEN
January, 1931

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Vol. No. 59, No. 1

245914

The Hall Speaks In Welcoming Tones . . . . . .

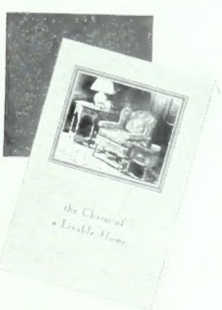
The hall extends a friendly greeting when furnished with Kittinger pieces such as these: The Duncan Phyfe wall table is an adaptation of a museum piece . . . . the lyre motif in the pedestals is particularly noteworthy. The originals of the chairs are in the Metropolitan Museum of Art and are typical of many similar 18th Century reproductions. These pieces are developed by Kittinger in solid Honduras Mahogany of mellowed richness



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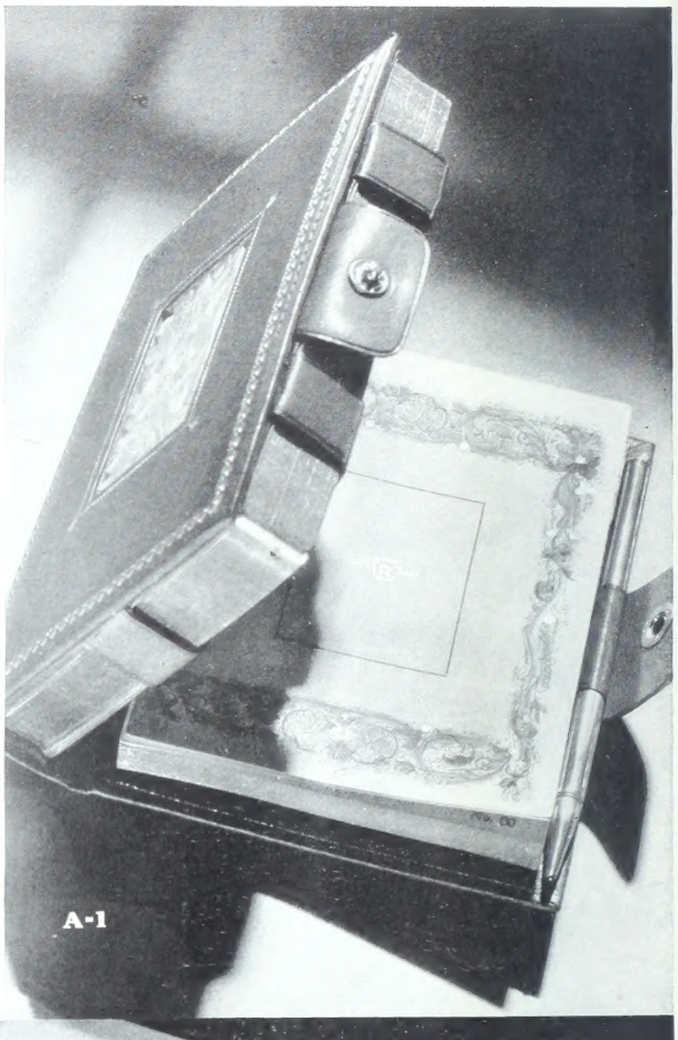
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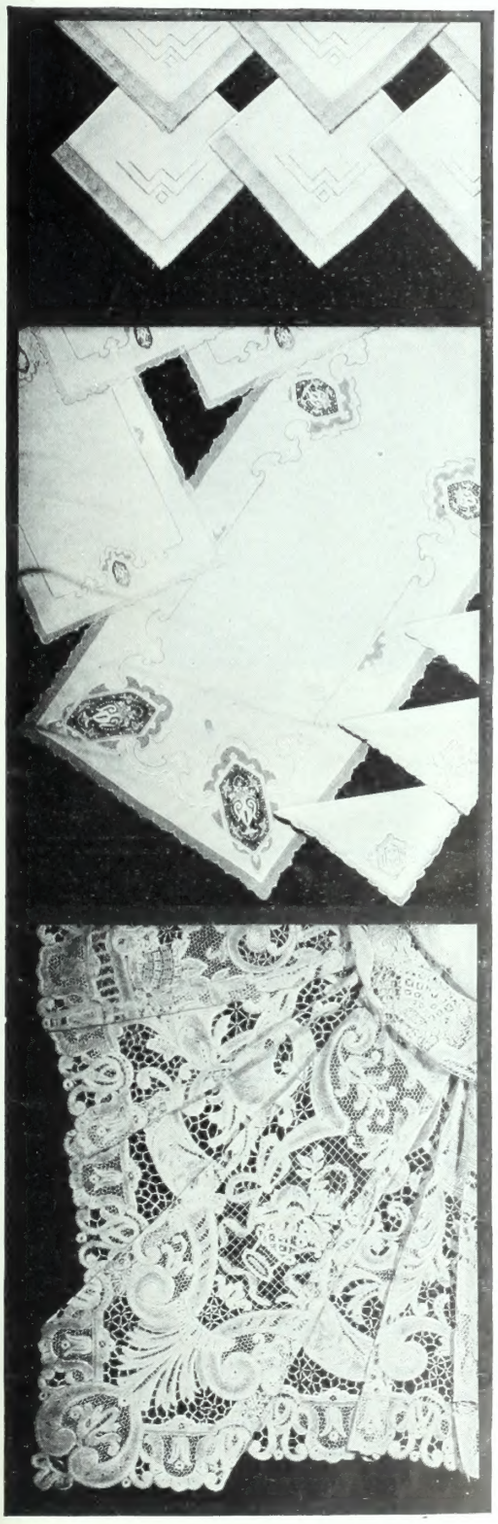
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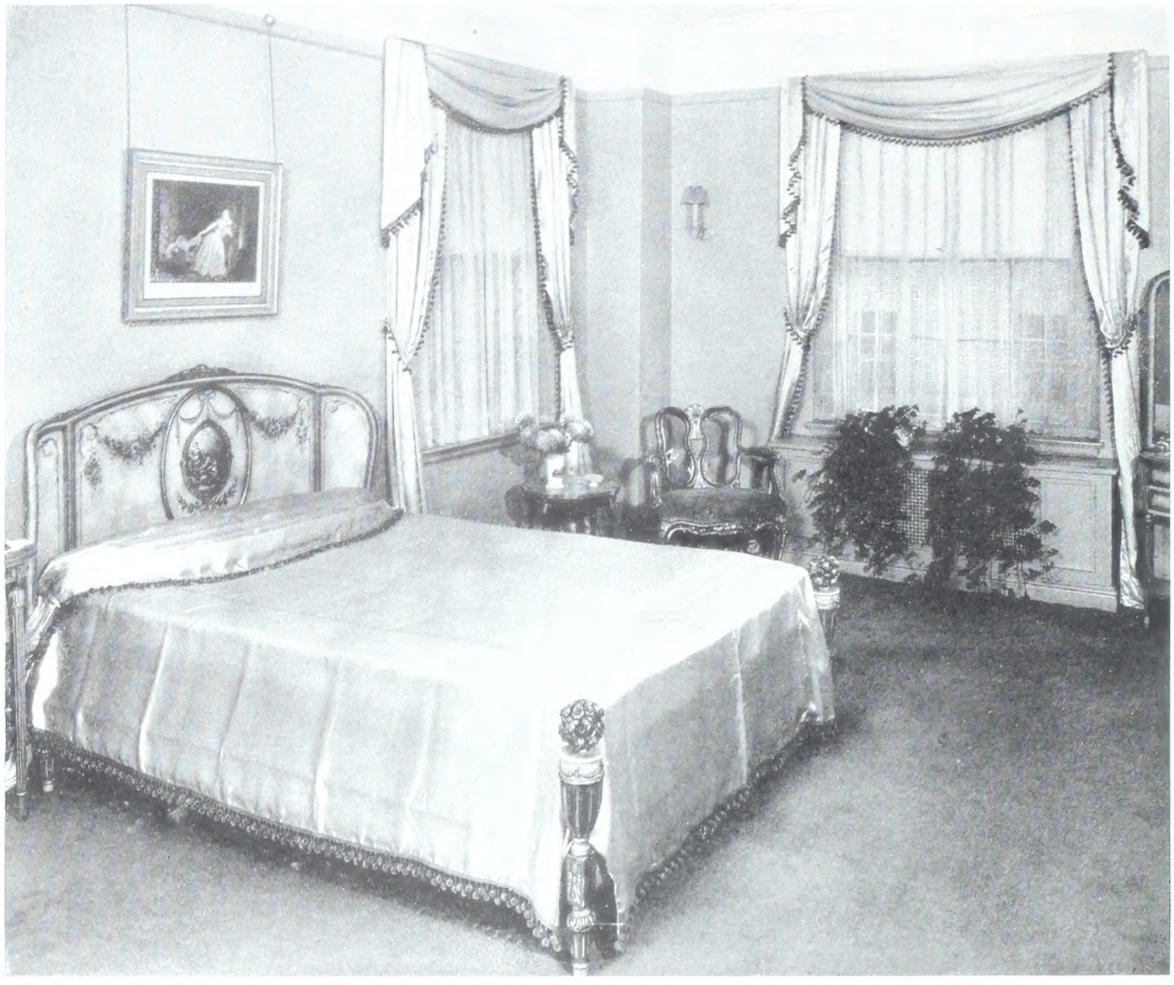
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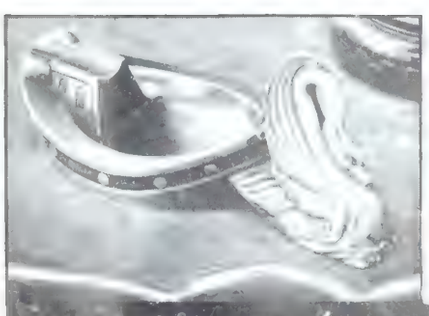
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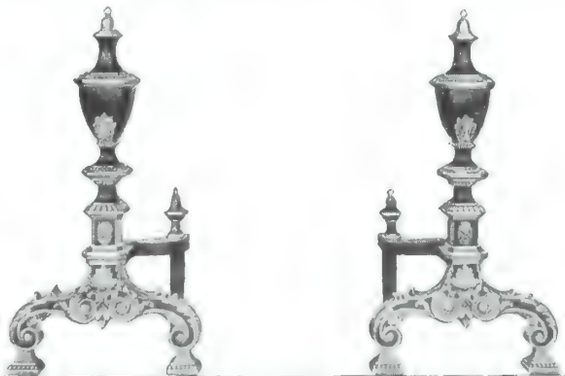
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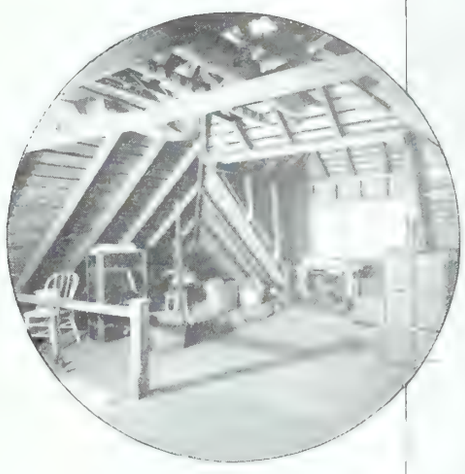


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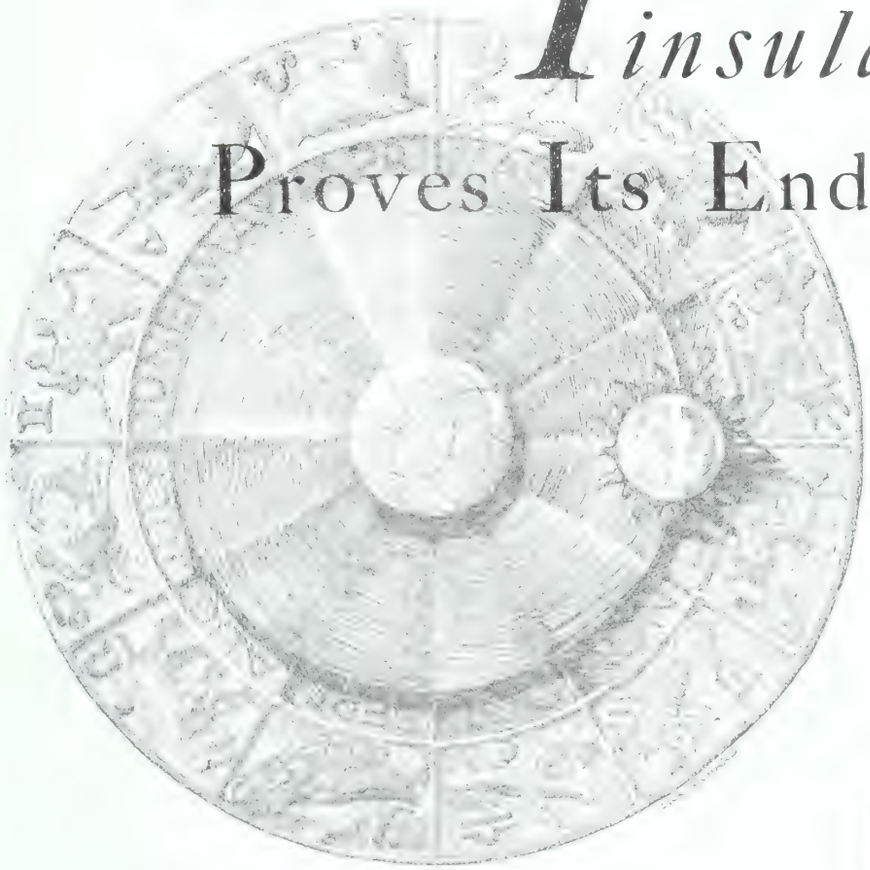
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WITH the establishment of the firm of Currier and Ives, a famous American tradition is reborn. Plans have been made to refurbish old house, whose prints so vividly portrayed 19th Century life, to perpetuate current events in the same detailed way—in exciting piece of news to the pictorial print collector. The new pictures, executed by well-known, contemporary artists, will be printed on fine rice paper, in an edition—a new, improved color process owned exclusively by this firm. A series of eight American sporting prints will comprise the first year's work.

THE "Travel Map", a cartographical biography for itinerants, finally justifies the existence of map lampshades. A sea captain is both designer and creator of these shade maps which are scientifically correct and colored in oils in attractive tones. The purchaser draws his lines of travel on a dummy map and these are copied on a parchment shade by a



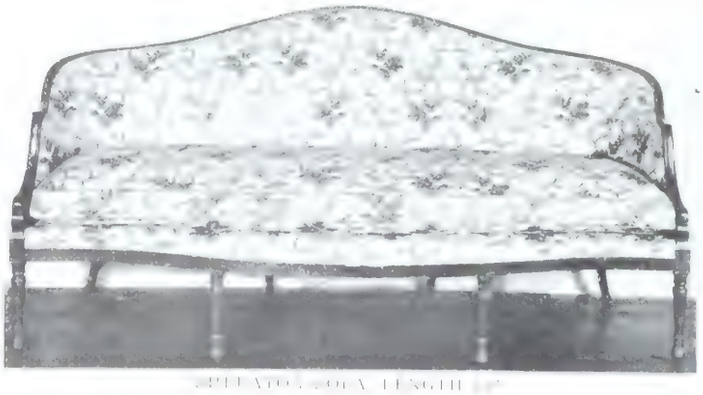
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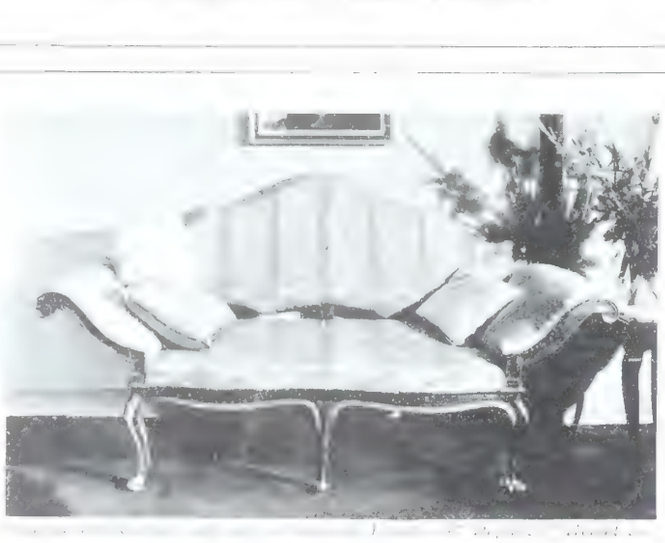
404 Delaware Avenue
Wilmington, Delaware

fishes!

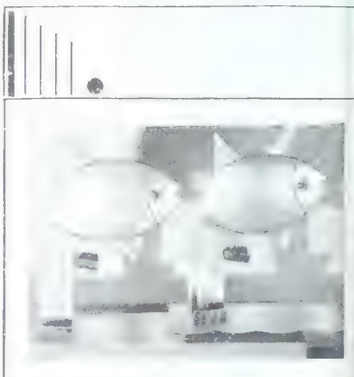


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One of a set of six "The Four Elements" by Greenwood for the Exposition Internationale, Paris, 1925. Signed on the cast

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Just the Thing

To best display great brocades is a GLOUCESTER WHATNOT [illegible] her set in an English [illegible] mahogany. It boasts three open shelves, the serpentines of beautifully turned supports and two drawers of the best of expressive charming design and [illegible] cabinetwork.

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One finds a wholly satisfactory chintz both in texture and design. THE VENDEE by Paul Dumas, Paris, is flagrantly patterned with strange flowers, fruits and very birds but with such perfect colourings. So thin, smooth but graceful in drapery or unstressed upholstery. Price $1.65 a yard.

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PERIN'S, Ltd.
Importers and Manufacturers of Fine Wood and Metal Furniture
PASADENA, CALIFORNIA



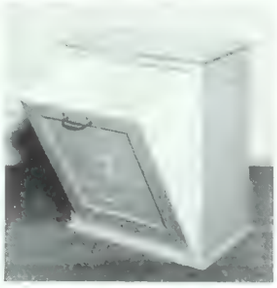
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Smart homes are getting very dogmatic these days, so [illegible] these gay little hooked rugs all about. They measure 24" x 32". The upper one has a green or red background and black dog and is very festive. The lower one is in little-bit shades. Our own exclusive design. Mailed postpaid they are $13 each.

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Above, the MARSAC [illegible] of Natural Ship Teak [illegible] two feet nine inches square. Height [illegible] Write today for your free copy of [illegible] A descriptive booklet showing chairs and other pieces of Ship Teak Garden Furniture.

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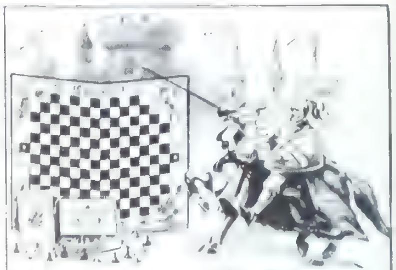
ARNOLD & NORTH, Inc.

203 E. 43d St. New York

[illegible]

[illegible] color. The "Travel Map" forms a permanent record of one's trip abroad and might also be used effectively in the room of the boy student to indicate the journeys and routes of travel about which he has read. All standard shade sizes are available and others may be had to order from Elsie Sloan [illegible].

AT the [illegible] Company, a large stock of unfinished furniture is maintained to provide for the individual needs and personal preferences of the purchaser. The [illegible] is decorated as desired. Such a method allows a wide variety of treatment and harmonious development of diverse color combinations. All the furniture is exceptionally well made and designed, many of the pieces being exact copies of authentic [illegible]. This company [illegible] to introduce [illegible] [illegible]



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"A brilliant game of extraordinary fascination" says Milton C. Work, wizard of bridge.

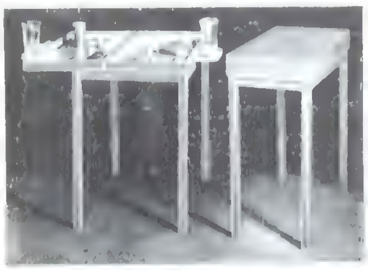
YOU'LL be fascinated by Camelot because of its liveliness of action, its strategy, its adroitness. Played on a board with Men and Knights who attend their respective strongholds. Simpler than chess, but far more interesting and thrilling than checkers. A splendid game for keen, quick minds.

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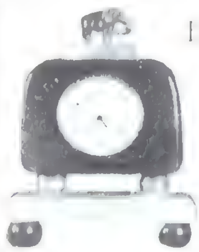
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[illegible]

l'elan inc.

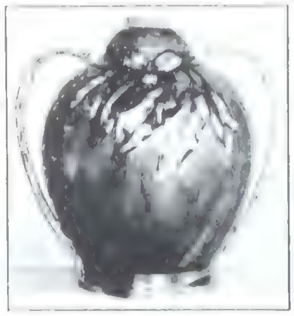
interior decoration

50 east 52 st. new york city

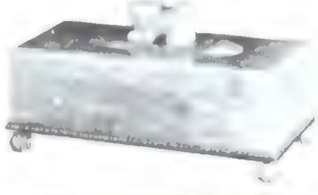


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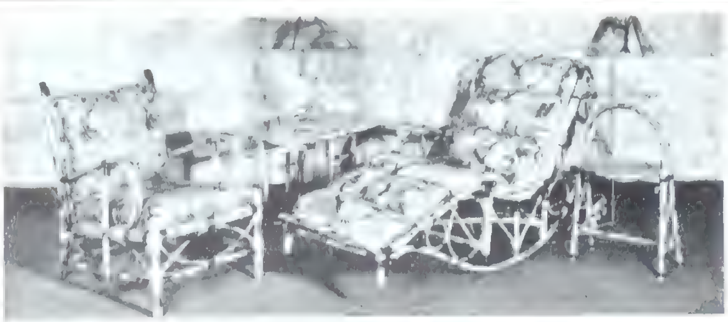
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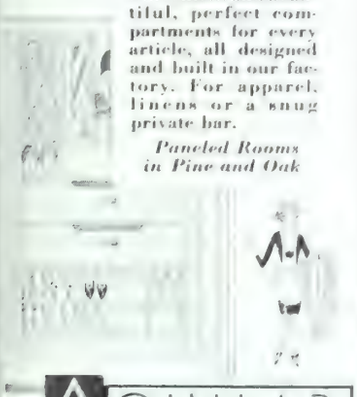
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[illegible] lighted [illegible] and [illegible] [illegible] for entrance [illegible] the occupant [illegible] Send [illegible] lighting fixtures for all purposes in oil, [illegible] and electric [illegible] Our "Direct to You" Plan [illegible] at factory prices. Write for photographic [illegible] Depot [illegible] [illegible]

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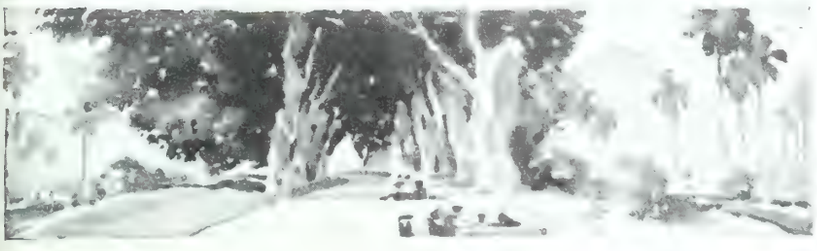
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San Antonio

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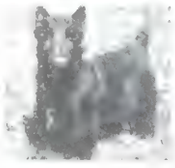


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Robert S. Lemmon

If a census were to be taken among the middle-aged and upward in this distraught nation of ours, with the purpose of determining what breed of dog is the closest rival of The Old Oaken Bucket for association with "all the fond scenes which my infancy knew," I suspect there wouldn't be much doubt about the results. Even allowing for the split tickets which are inevitable in every poll, the Newfoundland would win by a comfortable plurality. For to the not-so-young [illegible], whose memory goes back to the days of antimacassars on the parlor furniture, he is the legendary epitome of all that is finest in man's best friend.

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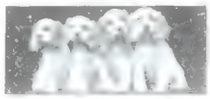
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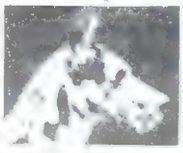
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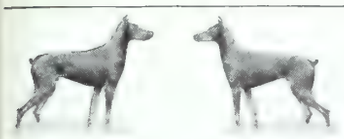


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Just as ire comes from Ireland and chills from Chile, so is the Newfoundland a product of that far northern island whose name he bears. There, long, long ago, he began life as a beast of burden and an all-around worker in the industry of a people whose livelihood came from the sea and the products thereof. A climate as rigorous as the lives of the fishermen themselves led to the survival only of the fittest among men and dogs alike. The combination produced a steadfast character and splendid physique. And since only by loyalty and self-sacrifice could life go on under such conditions, there was bred into the very bone and tissue of the Newfoundland a faithfulness that has rarely if ever been equaled in the history of the canine race.

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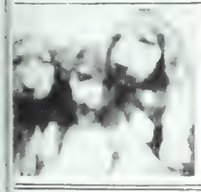


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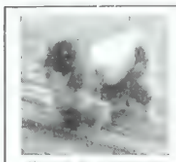
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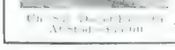
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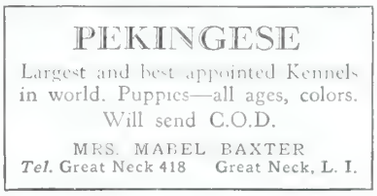
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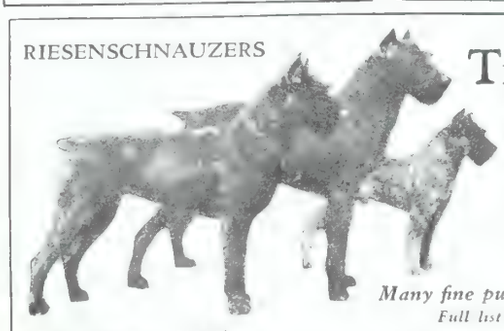
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In theory the Newfoundland is a black dog, but it is perfectly allowable for him to be black-and-white. In point of fact, almost any color is permissible under the accepted Standard, though the tendency is and will doubtless remain in favor of the two already mentioned. Choice between the solid black and the black-and-white is, of course, entirely a matter of personal preference. Traditionally, perhaps the black is what the majority of people think of as being the characteristic color.

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In an earlier paragraph I said that the Newfoundland today is coming back strong on his own. As a matter of fact, he has never lacked a body of loyal admirers who have stuck to the breed through thick and thin. There are signs now that their staunchness is to bear fruit in the form of new friends. The Moss Covered Bucket may have been replaced by a water-meter at the cellar, but no machine-age gadget can ever supplant the good old Newfoundland. More power to this specialty club which is devoting itself to setting him more firmly than ever upon a solid foundation of popular esteem!

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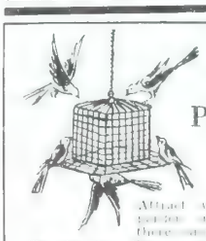
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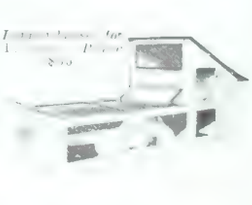
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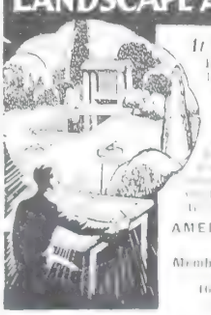
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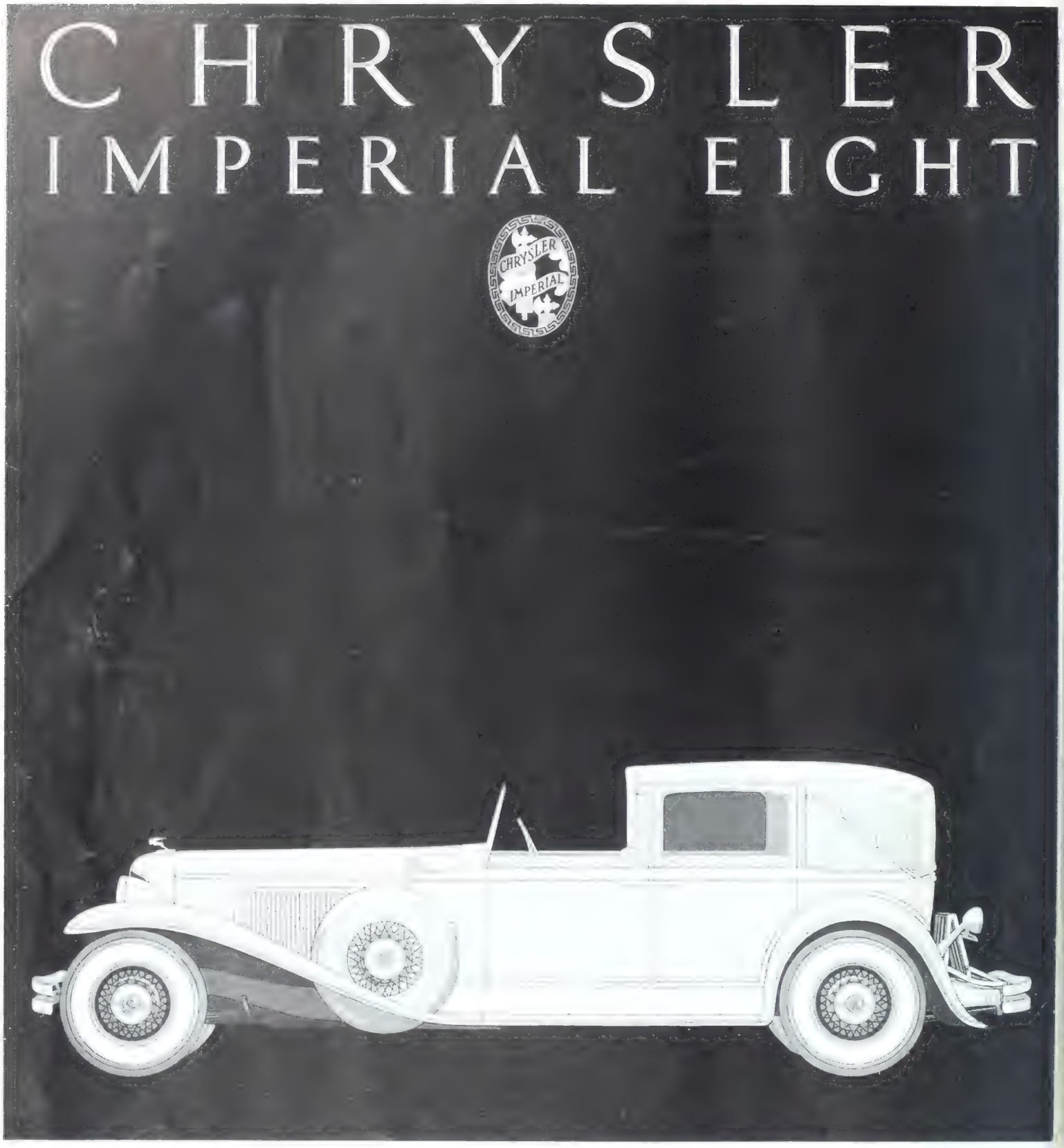
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January 1931

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CALL it psychological, silly, superstitious or what you will, humanity is re-vitalized by the coming of each new year. "The past is dead"—and with that unquenchable spirit which has ever carried men forward through the centuries, we set to work anew.

So, in a sense, this issue of House & Garden is a symbol of a universal trait. "The Annual Building Number"—the number devoted to the most fundamental of constructive human impulses. In these times of growing emphasis upon essential values, the house is more than a token of the future. For as its homes are, so shall a people become.

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All over this broad land the shops and stores selected to sell Whitman's are overflowing with these sweets for the Christmas season, but they will melt away quickly. Do your Christmas shopping *now* to get fair selections.

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The BULLETIN BOARD

Mr. Whosis' House. The price of fame is annoying attention. Kipling, we understand, dares not pay a bill by personal cheque because cheques with his signature are never returned, and he can't keep his accounts straight. At one time, they say, General Grant couldn't send his shirts and collars to the laundry for the same reason. And we've heard recently about a certain national hero who is having a house designed by well-known architects. Lest he be annoyed by admiring contractors, the architect's plans call for a house under quite a different name. The plumbers will put in their pipes and the bricklayers lay their bricks and the roofers set the tiles in blissful ignorance of the fact that the house is for a celebrity. Mr. Whosis' house is going to be a little gem of architecture, we understand.

Schemes For House. Though photographs of a finished house are more convincing than drawings of a house, yet there are occasions on which drawings are necessary because no houses contain the ideas we wish to explain. A case in point is the houses designed by Mr. Francis Keally and rendered graphically by Mr. Raymond Bishop in this issue. They comprise a study of the part walls and fences play in the architectural scheme of a property. In order to demonstrate it, Mr. Keally has designed four houses, costing from $25,000 to $30,000, each of a different style.

Farther along in this same issue Mr. Gerald K. Geerlings begins a new architectural series. He will be remembered for his photographs and drawings last year, in which he showed how details of foreign architecture might be applied to American homes. In this new series he will show the authentic details and elements of various architectural styles. Eight of these studies will appear in consecutive issues.

Cats. The world just now seems divided into two classes of people—those who like Siamese cats and those who prefer Persian. And, somehow, never the twain do meet. The Siamese champions rush to arms at the slightest criticism of their darling's sleek coat and monkey face. And with equal fervor do the Persian factions defend the coat that is like a gray cloud, the tail that's almost a plume, the pronounced saddle on the neck and the ruff about the face. But whether Siamese or Persian, you can rest assured that both these little creatures are poseurs of the highest order. No odalisque was ever vainer, none more lazy, none more self-centered. Compared with them, the ordinary alley cat is an efficient, bustling business woman who can be counted on to get her rat. The Persians and the Siamese seem to fill their entire purpose in life by being decorative.

DISCOVERY

I came upon her soul
Down in her garden,
Like a forgotten scarf of lace.
She always seemed so hurried
Or so weary;
So without a resting place,
I never thought
Perhaps her soul had blossomed
Somewhere;
Underneath a conscious pride
Of classic face.

I went alone into her garden,
Where restless folly could not trace
And there I found her soul
Among her flowers,
Like a scarf of lace!

—Rebecca Cochran

Two Good Exhibitions. The Metropolitan Museum of Art has recently been outdoing itself. The past autumn it gave two exhibitions that were wonderfully stimulating and educational. One showed Mexican Art, a lively and colorful survey of peasant wares and other native artistic expressions that should make us realize the great artistic potentialities of our neighbor nation.

The second exhibition was devoted to contemporary decorative metal work and cotton textiles, selected from America, England, France, Germany, Sweden, Denmark, Switzerland and Czecho-Slovakia, to illustrate the progress of contemporary design. These shows, assembled by the American Federation of Art, also appear in Boston, Chicago and Cleveland.

Your Share In Helping. There was a time when, learning to use the typewriter, we had to practise over and over again the line, "Now is the time for all good men to come to the aid of their party." We might make that a slogan for this era of non-employment: "Now is the time for all good men to come to the aid of their fellow men."

If you plan to build, start building this spring. Don't delay it any longer. If your rooms need repapering or repainting, or construction work can be done in the garden, by all means do it now.

With what ardor people did their bit during the war! Here is a grave situation of men needing work, that is far more serious than any we faced during the war, and it is as much a duty for good citizens to lend a hand now as it was a duty then. These are times when spending becomes a virtue. Those who have the money to spend should no more think of hoarding it now than they thought of hoarding in those dark days of 1918.

[illegible] architecture [illegible] an [illegible] course [illegible] the following books—*Old [illegible] homes in [illegible]*, by [illegible] *Old English [illegible]*, by [illegible] *The Manor Houses of England*, by [illegible] field; *Old Houses [illegible]*, by [illegible] Hunter, *Architecture [illegible] ture in Great Britain*, by Dollman and J[illegible] *Old Cottages and Farmhouses [illegible]*, by Parkinson and Odell, *[illegible] Georgian Period*, by S. C. R[illegible] *tion of the English House*, by S. O. Addy; *The Domestic Architecture of England During the Tudor Period*, by T. Garner and A. Stratto[illegible] *The Growth of the English House*, by J. A. Gotch; *Old Halls and Manor Houses of Yorkshire*, by L. Ambler; *Old Cottages, Farmhouses and Other Stone Buildings in the Cotswold District*, by Davie and Dawber; *English Domestic Architecture of the 17th and 18th Centuries*, by H. Field and M. Bunney; *The English House from Charles I to George IV*, by J. A. Gotch; *Lutyens Houses and Gardens* and *Small Country Houses of Today* and *Cottages*, all three by Sir Lawrence Weaver; *The Architecture of Robert and James Adam*, by Arthur Bolton; *Domestic Gothic of the Tudor Period*, by S. E. Castle; *The Old Cottages and Farmhouses of Norfolk*, by C. J. W. Messent and *Georgian Details of Domestic Architecture*, by F. R. Yerbury.

Septuagenarian Roses. Of the 2500 Roses known to be in commerce in this country, fifty-nine of them have been enjoyed by garden lovers for seventy years and over. Twelve of them we have grown almost a century. The Old Pink Moss Rose goes back to 1596, Old Blush to 1796, Unique Blanche to 1778 and York and Lancaster traces its lineage to 1551. Baltimore Belle, still to be found in old gardens, was created in 1843, Harrison's Yellow in 1830, Persian Yellow in 1831, General Jacqueminot in 1852, La France in 1867 and Marechal Niel in 1864. What fun it would be to make a Rose garden of just these old fellows!

Save The Victorian. There was a time when, if readers asked us what to do with their old Victorian furniture, we advised them to insure it heavily and pray for a good fire. Now we advise them rather to dust it off and use it or else hold it for a rising market. For we are at the beginning of a Victorian revival, and many a piece that, five years ago, we paid the ashman to haul away, is now being looked upon with envious and appraising eyes by collectors and those who decorate smart homes and apartments.

Gardening Lorelei. January brings in the seed catalogs and once again the garden enthusiast is subjected to temptations that would make a hermit of the desert pale with envy. Of course, we can easily select the necessities for both the flower and the vegetable garden, but then [illegible] many other fields to wander in that one soon becomes bewildered.

Why not select one or two flower families and concentrate on them? American flower families especially deserve our attention. Our British brethren grow many of them and eventually sell them back to us! Two families appeal to us—the Pentstemons and the Silenes. Both of them are mainly American in source. They flourish in various parts of this vast country and they can be grown from seed and made to flourish in our gardens. By growing them from seed you become better acquainted with the plant and accumulate [illegible] stock.



The Side Piazza Carries On

Through successive generations the name has changed. Yet whether known as piazza, verandah, porch or roofed terrace its purpose remains the same. A transitional place between interior and out-of-doors, it can mar or enhance an exterior. On the home of Mrs. F. W. Galbraith at Biltmore, N. C. this feature has been well handled. Erle G. Stillwell, architect

Four Houses Especially Designed To Show Walls And Fences Used To Advantage

Francis Keally

FROM the beginning of time, walls have served the house in two ways—to keep out the world that wasn't wanted and to keep within bounds those things that are apt to stray. And whether we consider the Great Wall of China, which was built to protect a nation, or the walls of Carcassonne and many another medieval town which were built to protect a community, or the walled, fenced and hedged estates of the Continent and rural England—these two useful purposes are served. Protection and privacy are two of the essentials to satisfactory living.

As soon as we pass from their purely utilitarian services, the wall and the fence offer unlimited scope as decorative and architectural features. Upon them has been spent the study of some of the world's best minds. Their variety and uses stand as evidence of the genius of our greatest architects and designers. Even one of our presidents—Thomas Jefferson—turned his skill to the designing of a wall, and a very good wall it is.

So it behooves us not to take walls and fences too casually. Americans, especially, need to understand their functions and decorative possibilities, because a false sense of democracy has made many people think that a property walled or fenced is un-American. Today we build walls to keep out foes that are just as destructive as those the walls of a medieval town opposed; our fences draw a line between the world which we want to shut out from the home, the world of dizzy transportation, high-tension business and the noise of a machine age. Behind a wall or fence the family may dwell content and undisturbed. A well-made wall or fence is a symbol of a secure home.

With this ideal in mind we set to designing four houses that would show how walls can give a sense of security and at the same time play a necessary part in the architectural scheme of the house. We had in mind houses to cost between $25,000 and $30,000, each to present a different problem that might be encountered in an American suburb, each to have its own distinctive architecture and use of building materials. The four houses are shown with their plans on the succeeding pages. Here we can set down a detailed description of them.

The first house, on page 46, presents a problem which often confronts the architect —the problem of developing a property that is on an embankment approximately ten feet above the level of the street. Any house placed on such a lot would appear too prominently unless given the protection and support of a foreground. This desirable support is afforded by a high wall of fieldstone —the same stone as used in the house. Into the slope are sunk two garages, separated by the entrance stairs. An iron gate closes these stairs and still gives a glimpse of the house to passers-by.

From the excavation of the cellar, dirt is procured to fill in the slope behind the wall and give us a level terrain on which to place the house. The fieldstone used throughout gives unity to the composition. Blended tile roofs and round chimney pots add to the silhouette.

On the bottom floor the plan is "L"-shaped. One enters an ample hallway to face over-shaped stairs. To the right a door leads to the living room and beyond that another door opens on a greenhouse. Wide casement windows on this side afford an abundance of light and also a broad view of a garden, enclosed on two sides by the living room wall and greenhouse, and on the other two by a wall that repeats the characters of the front retaining wall. Here is a complete garden unit, for "he who loves a garden, loves a greenhouse too." A greenhouse is an essential feature in the all-year homes of those interested in flowers.

Behind the living room is a dining room, and the rest of the first floor is given over to service uses. The second floor contains three well-proportioned bedrooms and two baths, with a sewing room and its necessary cupboards off the upper stair hall.

In looking at the plans, you will observe that the two garages are connected by means of a tunnel. Another tunnel which could not be shown in the plan connects with the cellar, so that in inclement weather the owner need not step out-of-doors.

The second house is planned to give privacy to the front door. The lower floor of the house—about seven feet high—is of whitewashed brick, and this wall is carried out on each side—to enclose a garden off the library and living room, from which one enters the house, and on the other side, to enclose a service court, with an entrance to the kitchen.

The balance of these walls is repeated in the regular disposition of the windows, and the plan, too, is balanced. An octagonal library is one side the stair hall, and the kitchen the other.

The materials suggested for this house are common brick, whitewashed, with the story above finished in shiplap, which is a smooth finish wood siding.

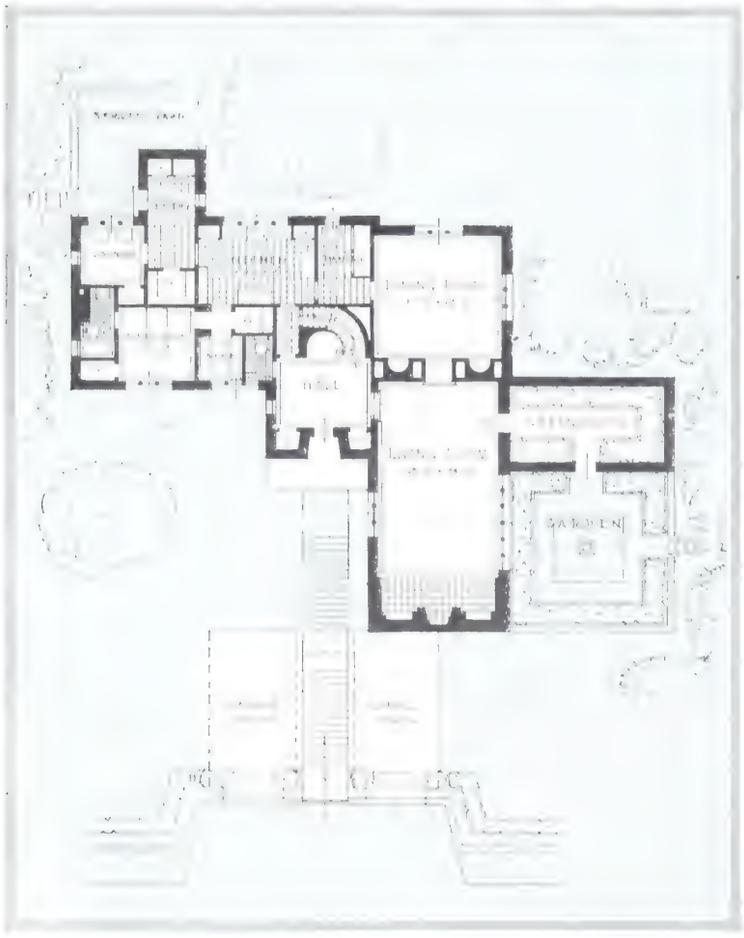
For the third house we selected the problem of featuring an entrance court on the street. The house and the garage enclose two sides, and a woven wood fence the other two. This is an all-wood ensemble, the walls being clapboard, the entrance bay shiplap and the roof shingle.

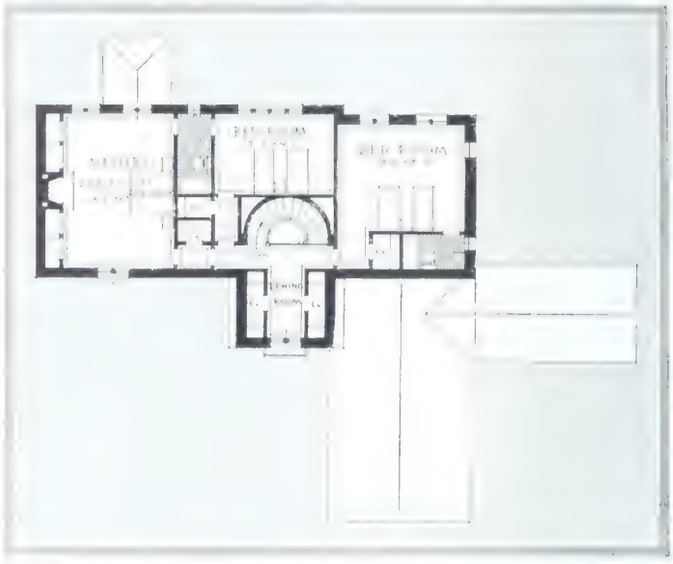
The stair hall, which introduces a balcony on the second floor, is featured. We have slipped a den or study for the owner behind the living room. Servants' quarters are over the garage. The laundry could be turned into a servant's room and the upper part of the garage made a playroom.

In the fourth house the purpose of the walls is to camouflage the service units of garage, maid's room and laundry. Here we use a salmon brick with a gray slate roof. The curve of the wall is found in the curve of the dining room and master's bedroom above. Again this wall gives us an enclosed garden with a large sun room at the rear.

With these few points in mind, we are ready to turn to the houses themselves.







Residences Of Moderate Size That Solve Definite Problems Of Plan And Exterior Design



The base story and stair window bay of the house are of whitewashed brick—which same material is extended out to form patio and service court walls. The upper story is surfaced with shiplap. A radical departure from usual practice is the placing of the principal entrance in the side, facing a walled court, rather than in the front façade.

At the left of the entrance hall is the living room. To the other side is an octagonal library, while at right angles is the stair hall, lighted by the two-story window in the illustration above. The dining room is reached from living room and kitchen. Four bedrooms are on the second floor. The two largest connect through a bath; the others each have a private bath.



While at first glance the house opposite seems a veritable English dwelling enclosed by the customary high wall, closer inspection shows Yankee ingenuity mixed with English design. As the place tops an embankment, practically all of the house is visible above a retaining wall. Twin garages are hollowed from the earth at either side of the gate.

Outside of these features of exterior design the residence has been carried out in the straightforward manner that characterizes Mr. Keally's work. The projecting one story "L" at the front houses the living room. The dining room is at the rear; service rooms occupy space back of the entrance hall. Three bedrooms, a sewing room and two baths are above.

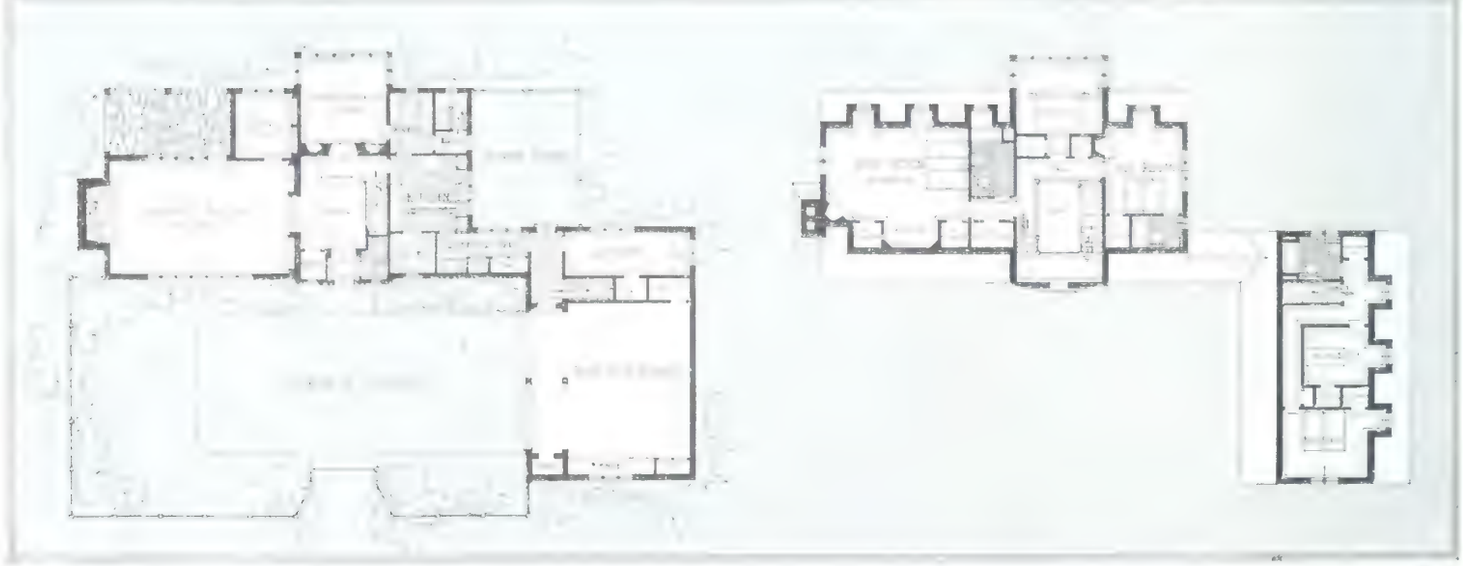


An All Wood Ensemble Of House And Fencing For A Rural Location

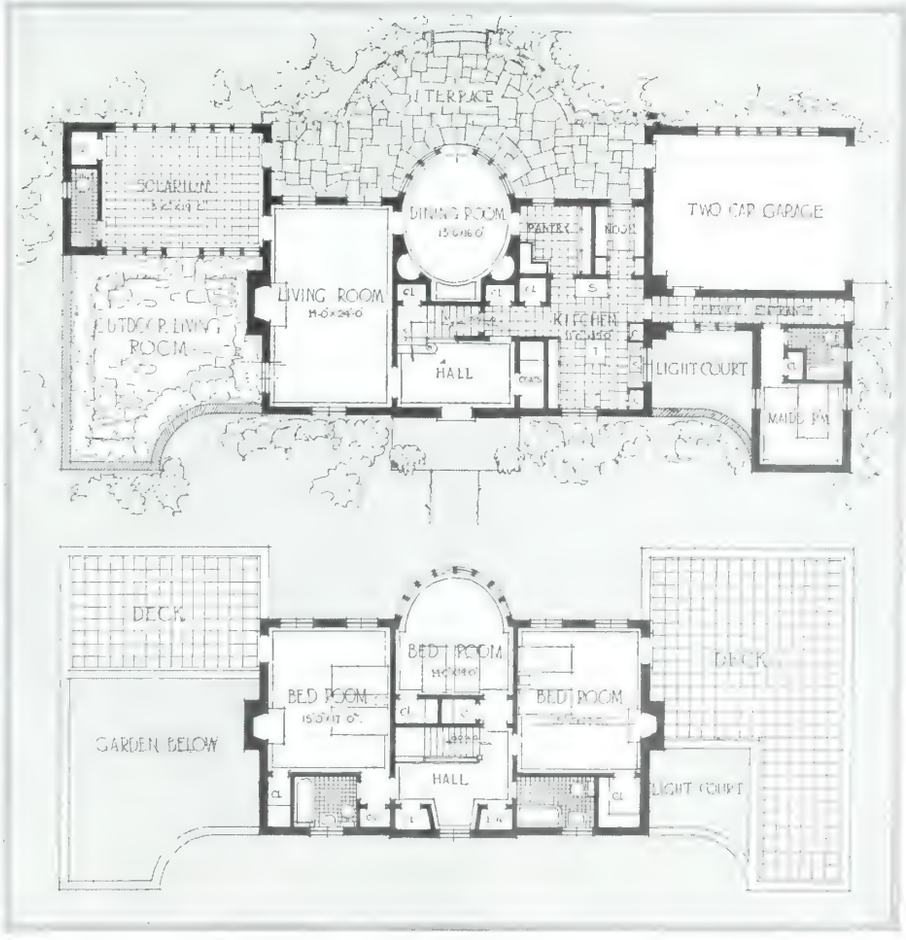
combinations. Here we have clapboarded house walls, an entrance bay surfaced with shiplap, roof of shingles and fences in rustic,

The entrance hall separates the service from the other first-floor rooms. A huge

rooms and a bath







In this design the problem of giving privacy to a garden terrace used for an outdoor living room, and working the service and garage wing into the architectural composition, has been solved in highly interesting fashion. The front face of the house merges into one story walls brought forward in an embracive curve

Although all rooms of the house have been well planned, the oval dining room, almost a half of which is a huge bow window, is the feature. This bay is carried up to the second floor where it gives the same window to a bedroom. The paved terrace at the rear may be gained from solarium or dining room

Three bedrooms and two baths are on the second floor. Two of the bedrooms have fireplaces and open upon decks, treated as terraces, above the solarium and the service wing. The master's room has a private bath while the other two bedrooms share the use of a bath. The renderings are the work of H. R. Bishop

House Walls Extend To Enclose Garden And Service Wing

Ernest Henry Wilson

1876-1930

THIS issue of House & Garden contains a serious omission. It is the next number since March, 1924, in which there does not appear a contribution from "Chinese" Wilson.

The man is dead. But in thousands of gardens throughout the world there stand today living memorials of his love of beauty and his eagerness that American gardens should step forward in quality and maturity.

The tragic death of Mr. and Mrs. Wilson on October 15th, announced in a brief paragraph in our December issue, marked *Finis* to his life, but we believe it also marks the beginning of a new comprehension of his genius and his tremendous accomplishments for gardening. Our appreciation of Wilson will increase as our gardening sense matures. The articles that he has written for House & Garden are a precious heritage of inspiration, fact and judgment that could well bear re-reading.

He introduced us as a people to more [illegible] and flowering shrubs than normally grow here. As explorer, botanist, dendrologist, successor of the previous heritage of Professor Sargent—the Arnold Arboretum—writer, lecturer, and friend, his leadership in American gardening will be sorely missed.

HIS career was marked by destiny from its beginning. Born in the charming gem of scenery and architecture, Chipping Campden, Gloucestershire, in February, 1876, he began early to study botany in the Royal College of Science in London. From there he went to Kew Gardens, mother of so many geniuses in gardening, where he specialized in botany of the Orient. At the age of twenty-three we find him started on an expedition to China for the famous nursery concern of Veitch to seek new trees and shrubs, but more especially to seek new Willows. This expedition of 1899 and 1900 thrilled the man with the vision of his greatest service and opened his eyes to the fact that China was a vast storehouse of [illegible]. He brought back flowers and trees that were new to the gardens of his homeland and immediately touched his fame with glowing color. A second trip into the interior of China for the same nursery followed shortly.

In 1906, that American nobleman of freedom, Professor Charles S. Sargent, Director of the Arnold Arboretum in Boston, transplanted Mr. Wilson from England and made him his assistant. We next hear of Wilson on a third expedition into the mountainous country between China and Tibet, with special instructions to secure specimens of the conifers, spruces, and balsams, the climate of that zone being similar to that of New England. And again in 1914 he toured Japan for the Arnold Arboretum for new plant material, making discoveries which are reported to this day as having astonished even the Japanese themselves. And five years later, he went out again into Korea, Formosa, and the Luiki Islands.

The mountain of his accomplishment grew with each year. From each expedition he brought back hundreds of plants, many of them hitherto unknown, and showed by a selective sense and ruggedness of energy and ambition his membership in the family of the greatest botanists and plant explorers. His findings leave us a heritage of plant material numbering over 3300 items, of which more than a quarter were entirely new to gardens here and in England.



Ernest Henry Wilson, M. A., D. Sc., V. M. H., in his garden among the Regal Lilies

THE tragic end of Mr. Wilson, widely known as "Chinese" Wilson in view of his lengthy explorations in that country, seems out of keeping with the fact that, in far corners of the earth, he had been near death many times. The Regal Lily, *Lilium regale*—one of his greatest introductions—was the cause of the injury to his leg, which probably joined with the leaves on the road—the leaves of the trees he loved—in a possible physical weakness that caused his car to skid from the road and bring about his death.

He gave generously to the beauty of this world, and the world in his life heaped honor

(*Continued on page 98*)



Karl La Rocne

Toward The Still Waters

That pool is most effective whose margins are framed in the quiet dignity of trees—Elm, Willow, Maple—and the peace of well-kept lawns. In such a setting the water feature comes completely into its own, as here on the Charles A. Slosson place at Greenwich, Conn.

Now Is The Time To Take Advantage Of Rock-bottom Costs In Building

Tyler Stewart Rogers

IN the [illegible] January days of the new year 1931, home owners and prospective home builders face a greater opportunity to realize their dreams than has presented itself in [illegible] more than ten years past. In all probability so favorable an opportunity will not come again for at least four or five years, and possibly not for another decade.

This opportunity is to build a home (or improve an old house) at rock-bottom costs. A house that a year ago would have cost $20,000 can be erected today for 10% to 18% less, or at a present cost of from about $16,500 to $18,000. A more elaborate home that a year ago would have cost $100,000 can be constructed now at a saving of 8% to 12%, or at a price ranging from $88,000 to $92,000. (The difference in the percentage of saving results from a tendency to use, in the costlier home, special quality materials and selected, skilled labor which are subject to but slight fluctuations in value.)

In short, every dollar spent for home building or home improvement is today worth around $1.10 or $1.20 as compared to its value but twelve months ago. The extra ten or twenty cents can be pocketed, or it may be put to better, more luxurious or more comfortably appointed residence than normally could have been afforded.

But opportunity is a flighty jade, and allows no time for procrastination. Rock-bottom building costs exist today, but they may not exist three or four months hence. In fact, it is probable that the deep bottom was touched in late October and November, and that the trend toward an upturn is already definitely underway.

How to take advantage of present low building costs is a question that requires a definite answer. A brief consideration of some [illegible] factors which influence present-day building costs will aid the home owner in capitalizing for his own profit the conditions that now exist. [illegible] three elements [illegible] cost of building a home, or of [illegible] improvement project. They are materials, labor and the builder's profit. Other factors, such as financing and real estate values, are in a sense indirect elements and will be discussed separately.

While it is a general knowledge that building costs have fallen materially, reduced of late, the extent of the reduction and just how much, and for what length of time a prospective home builder can expect to profit by it has been mainly conjecture. To answer these questions House & Garden called upon Mr. Rogers to make the survey here presented. The [illegible] on the opposite page were made up from data given out by the Department of Labor, the F. W. Dodge Corporation, a [illegible]

Labor usually represents the largest single item of expense in house construction. During the past period of depression, there has been a striking tendency on the part of most builders to recognize current wage scales, whether in unionized or open shop districts. This noteworthy trend, however, has not resulted in the maintenance of normal building labor costs. Many hundreds of thousands of building workers have had but meager employment during the last year. Residential construction was, for a time, about 47% below normal, forcing hordes of carpenters, masons and other workers to tide themselves over as best they could. With so many men out of work, builders were enabled to select the best craftsmen and those who could produce the greatest volume of work for the established rates. The result has been a substantial but not readily measurable reduction in the cost of building labor to the builder, and hence to the ultimate owner. More work and better work is being performed today by this process of selection, with the result that, under proper supervision, home building today represents a higher grade of craftsmanship than usually is obtained for the same cost.

The drop in building material prices is more readily measurable, but since statistics are exceedingly dull, it is sufficient to state that the general index of building material costs reached a point in October lower than has existed at any time since 1917. The basic materials, lumber, brick, cement and steel, showed the greatest price recessions. Building specialties which involve more complex manufacturing operations did not decline so sharply. Thus we may expect to find that plumbing and heating work and similar items of building equipment show less of a drop in value today than the structural parts of building.

The third element of cost is the builder's profit, usually ranging from 8% to 10% of the combined cost of materials and labor. The year 1930 was a trying year for building contractors all over the country. Their normal volume of work was cut almost in half, and they held together their organizations by taking such work as they could get with almost no regard for making a profit. Any job that would pay the builder the equivalent of a day's wage and give him merely sufficient margin to offset unforeseen costs was gladly taken, for its loss meant a possible disruption of a building machine that had been carefully put together, piece by piece, during the years of normal activity. This condition still holds with many builders, and in many sections of the country profit-making is of less importance than keeping intact a smoothly working organization.

How much saving can be made as a result of present conditions affecting these three factors? It is governed largely by purely local conditions and, to a certain extent, by the size and character of the project. Building operations that are awarded to friendly builders without competition are very likely to show less saving than those which are bought after careful comparison of quotations. Minor building operations may, in some cases, be bought for very marked savings, because individual building mechanics will take these jobs for themselves without a thought of making more than their daily wage. If the owner does not know how to buy this sort of work, however, he may expect the small builder to charge as near to normal prices as he thinks he can get, for these men have suf-

fered much and one cannot blame them for taking a profit whenever the opportunity to do so arises.

A study of a very considerable number of cost estimates on various types of building operations indicates that the savings stated in the opening paragraphs of this article are approximately typical of conditions all over the country. Moderate cost building operations, employing standard materials and normal grades of labor, show savings ranging from 10% to 18% of costs a year ago, with the average probably close to 15%. Higher-priced homes show a somewhat smaller proportionate saving; an average reduction in cost of 10% may be taken as normal expectancy. A very interesting study was made last fall of one low-cost frame house on which costs were known for the previous year.

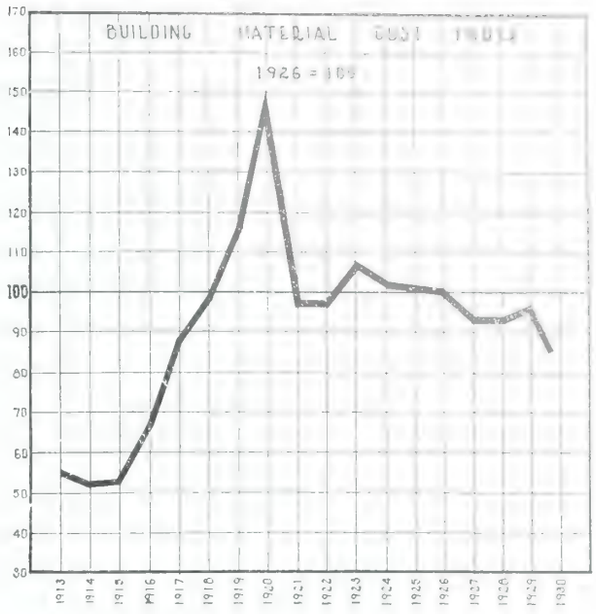
The total saving, exclusive of contractor's profit, was approximately 13%. The greatest decreases were in excavation, which dropped 35%, finished hardware 35%, window shades 33%, ceramic tile 24%, millwork 20%, painting 16%, rough lumber 14%, mason work 12%, and carpentry work and electric wiring each 10%. Only negligible reductions were noted in such other items as plastering, plumbing and heating. These percentages would not necessarily apply in the same relative proportion to another job, and they certainly would not apply to a more expensive house, but they are, at least, indicative of some of the remarkable changes that have taken place in the past year.

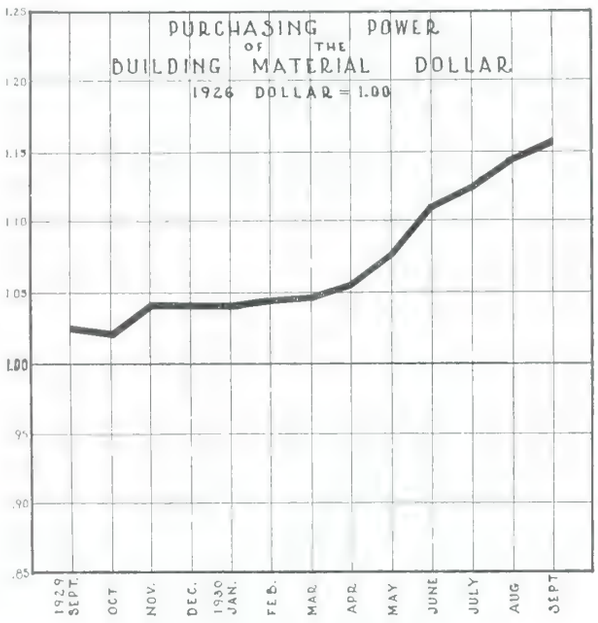
Other factors than these also favor home construction and improvement at present. The real estate market has been very sluggish in almost every section of the country, with the result that those who have not yet purchased a site for their new home can buy land today at bargain prices. This item alone may represent a very important saving in the total investment which normally would be made.

Another favorable factor is that money is now plentiful for sound, conservative mortgages. The building and loan associations particularly are well-supplied with funds for loans on new homes and on home improvements. The mortgage companies also have a better supply of money than in any recent year. While this money is available for sound first mortgages and sometimes for second mortgages, there is no indication that bankers will be less conservative than heretofore in making their appraisals. On the contrary, the sharp depression in real estate values that culminated in 1930 resulted in many high loans being called and in the firm attitude of extreme caution in making new loans. Those who build today may expect lower charges for their loans than normal, and they will undoubtedly find that the conservative appraisals balance off against the lower

(Continued on page 104)

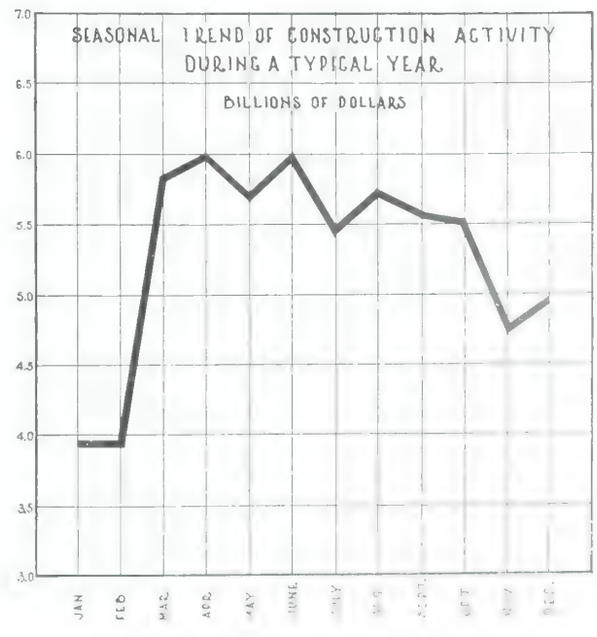
The chart at the right shows the trends in building materials' cost from 1913 to the present time. In the latter part of 1930 costs in this field reached a level lower than any year since 1917. 1919 saw the high cost peak, at which time it took $1.50 to purchase what under normal conditions was one dollar's value of materials. At the end of 1930 the same value was obtainable for about 85 cents





During the twelve months prior to September 1930 the purchasing power of the building material dollar steadily increased in the fashion indicated on this chart. While authoritative figures after last September are not yet available from the same source, it is the personal opinion of the author of this article that the peak of value in this regard was reached some time shortly before January first 1931

To substantiate the theory that January and February represent the period when cost will be most favorable to home builders, this graph of constructional activity in a typical year is offered. It is logical to infer that the customary spring activity in building will tend to stiffen material prices and labor costs by March. The typical year illustrated is based on a four-year average from national surveys





(Above) Blue-green plaid paper is an interesting departure from flowered effects. Green, terra-cotta, coral and brown predominate in textiles; carpet is rust. The home of William Ogden Coleman, Indian Hill, Ill. Earl Hart Miller, decorator. Russel Wright, architect

notes in this boy's room where a Napoleon paper in bright colors covers the walls. Chairs are in red, white and blue cotton, curtains are red cotton [illegible] bedspread in red [illegible]ède cloth. Jones & Erwin, decorators



Dan Dunn



Plaid papers and fabrics are effective in modern schemes, provincial French and Early American interiors, children's rooms, and wherever a somewhat informal appearance is desired. (Above, top) Glazed chintz in turquoise, tan and red. Katharine Hartshorne. (Center) Coarse linen excellent for porch and sunroom furniture, yellow, green, lavender and red. Odom & Rushmore. Below this is an effective blue and cream checked cotton. Chintz Shop



Dora B. Morrill

Above are three unusual plaid wall papers. The design at the top, of silver lines on a pale gray ground, would make a serene background for modern furniture and peach or flame colored curtains. From Elsie Sloan Farley. (Center) A washable wall paper in peach color plaided in deeper peach. Walter Johnson. The remaining paper, also washable, has a peach colored design on soft green. From Helen Gracie Hammond & Margaret S. Taylor, Inc.



Samuel H. Gottscho

Walls in plaid design are a refreshing change from the numerous under-sea decorations and painted bird and water lily effects gracing so many modern bathrooms

Plaid washable wall paper in tangerine, brown and black is used with excellent effect in the man's bath at the left. Black woodwork, cork floor and tangerine shower curtain complete the scheme

This bath in the home of James L. Breese, Southampton, L. I., is also interesting for its use of dark colors in place of the ubiquitous pastel tints. Assembled by Frances T. Miller

(Above) A gay checked treatment characterizes this bath in the residence of Mrs. E. Mortimer Barnes, Glen Head, L. I. Wall covering, curtains and chair seats are red and white gingham

This method of matching walls and curtains is practical for a small room. By keeping the same pattern and color in background and hangings, the space appears larger than reality

The fixtures and cabinet are white; furniture is French provincial. Lighting fixtures are white with red decorations. Thedlow, Inc., decorators



Dirk Duryea

Plaid Papers And Fabrics Bring Color And Gaiety To Decoration

The Choice And Application Of Painted Wall Finishes

James E. Seryen

NO one can expect to become a finished craftsman by reading the directions labeled on a can of paint, but it is reasonable to expect a study of the general principles that apply to various methods of painting will become a means of avoiding mistakes, and of developing practical ideas with good taste and judgment.

Besides an inherent sense of good taste one must have some knowledge of the basic principles of decoration. For instance, it is important to know that bright colors such as yellow or red and very dark colors make rooms appear smaller and objects appear nearer. Colors that do this are called "advancing". Larger patterns or designs are also "advancing" in character. At the other end of the spectrum are the blues and greens. These, together with light tints, are known as "receding" colors because they are helpful in creating an illusion of larger size.

It is essential to analyze the spirit of a room before selecting the colors best suited to it. We are told that simplicity is the keynote of all art. Complicated color schemes are not only difficult to do correctly, but nine times out of ten make the walls assume a too prominent part in the entire decorative scheme. Walls are primarily intended as the background for other decoration.

COLOR HARMONY

The best result in the selection of colors calls for a dark floor, walls of a lighter hue and a still lighter tint for the ceiling. Color harmony throughout the house should be carefully planned, but particular care must be employed that adjoining rooms do not vary too suddenly in their treatments, especially if there are wide connecting openings between.

The key color of any room may be selected from personal preference, to make the room look larger or smaller, or because of fixed colors in the woodwork, rugs, draperies or furniture. After these considerations are given proper weight, attention should be paid the exposure, so that the warm colors may be used for rooms having little sunlight and cool colors selected for rooms having much. While warm colors are undesirable in creating cheerfulness, it is well to remember, also, that the cool colors have a part to play in softening a room and making it restful.

When the general color schemes have been determined, the problem of finishes comes to the fore. Of course much may be said for wall papers, paneling and the various other wall treatments, but this discussion shall be limited to wall treatments with paints or plastic materials.

PLANNING WORK

Regardless of the colors or finishes selected, there are several important things to consider before proceeding with the work. Spring and fall are the best seasons of the year for painters and decorators. It is well to arrange to have the work done when most convenient for proper comfort and at a season when costs are at the lowest range. Progression of work should be carefully planned so that important rooms need not be cut off from other portions of the house. The ideal temperature for painting is between 60 and 70 degrees. Ventilation is important for drying, and in the event artificial measures are necessary, an electric fan will serve the purpose. Paint should always be kept in a warm place before application.

For ordinary purposes, a flat or lusterless paint is preferable. After the wall surfaces have been properly sized and primed, the favored custom is to start in the upper left hand corner of a surface and to apply the paint in vertical strips several feet wide. This system tends to avoid marks where edges join, and to produce a smooth, uniform coating. Up and down strokes of the brush are used.

New walls should be given at least thirty days to dry and all the free lime treated to avoid spots or burns in the paint. Two pounds of zinc sulphate crystals in a gallon of water will produce an ideal solution for treating walls of this kind.

Old surfaces should be sandpapered and cleaned. Holes or cracks will be cut out and filled with plaster of Paris. Grease may be removed with a solution of ammonia or sal soda and water. Old wall paper is removed by applying hot water and by scraping the surface with a putty knife. The wall must then be smoothed and filled.

A priming coat is necessary to stop suction and absorption. It provides a firm foundation for succeeding coats. A coat of flat wall paint is the most satisfactory primer of plaster and wall board surfaces.

Stippled effects are frequently secured by pounding the final coat on with a special stippling brush. A sponge, cheesecloth, burlap or paper may also be used for this purpose, and a variance of patterns is thus produced. Regularity of pattern is to be avoided. An unstudied irregular effect is the desirable result.

Tiffany blending is popular and offers the decorator many opportunities for colorful toning. For this process the ground coat must be perfect—preferably stippled. A transparent glazing liquid is applied, and while this is still wet, spots of color are brushed on where desired. These are then rubbed with a wad of cloth in a circular motion, thus distributing the colors and tones as desired.

MOTTLED EFFECT

Scumbling differs from stippling in that it takes off paint in places rather than applies it. The wall is first treated with a final coat of paint and, while this is still wet, loosely crumpled newspaper or wads of cloth are rolled down the surface or tapped against it to remove some of the paint. It is well to have the ground coat of a lighter shade than the finish coat in mottled effects of this type.

Several colors are usually employed in spatter finishes, and, if these are well selected, striking results may be obtained. This interesting finish is used for painted floors as well as walls. The desired base coat is applied and allowed to dry. Then the first spatter color is mixed and a full brush of it is slapped against a stick in a manner to send a spatter of the color against the wall. After enough of this color is used over the entire

(Continued on page 110)

Curtains To Complete The Thirteen Bedroom Ensembles Suggest A Variety Of Treatments





GATHERED

(Above) Red glazed chintz curtains, edged with a quilling of green, carry on the color scheme of the red chaise longue (see December). A wooden valance board is painted green

CORDED

(Left) These curtains of brown cotton dotted net are made very full. The valance is of brown velvet stiffened and shaped at the bottom. The tie-backs and large rosettes match



PUFFED

The figured chintz of the dressing table and chaise longue appears again in the curtains. The wooden valance has a simple design made of gilt star nails. Below this hang curtains with green puffing. Undercurtains are in the French country style, tied in the middle



These curtains complete House & Garden's designs for 13 sets of bedroom furniture and accessories. Beginning with dressing tables in the July 1930 number, the series continued with beds and bedcovers in September, lamps and pin cushions in October, benches in November and chaise longues, December

RUFFLED

Green figured voile curtains are stretched on two rods, top and midway of the window. At the top the curtains are crossed. The lower half hangs loose and is edged with a narrow green frill. Brackets



TUCKED

Sheer cotton net is fitted over glazed chintz lining panels. These are hung over closed chintz curtains and finished with three tucks. A narrow valance is set underneath. Glass curtains are hung on brass rods.



BANDED

Lined white scrim curtains are finished with three banded ruffles of sun-fast red percale, as also are the valance and tie-backs. The valance has three box pleats, or could a deeper gathered ruffle of plain percale be used instead? Ivory may be added



PLEATED

(Below) Rose-coloured damask is used for the pleated English curtains. The curtains are lined and edged in dark red brown cotton sateen. A pre-pasted valance lined for stiffness and illuminated by a hidden fluorescent



QUILTED

Lace curtains are laid over pale pink percale in bright plum, chocolate and white wallpaper with a conventional geometric design. Valance and tie-backs are of the percale. Plain cretonne curtains hang beneath

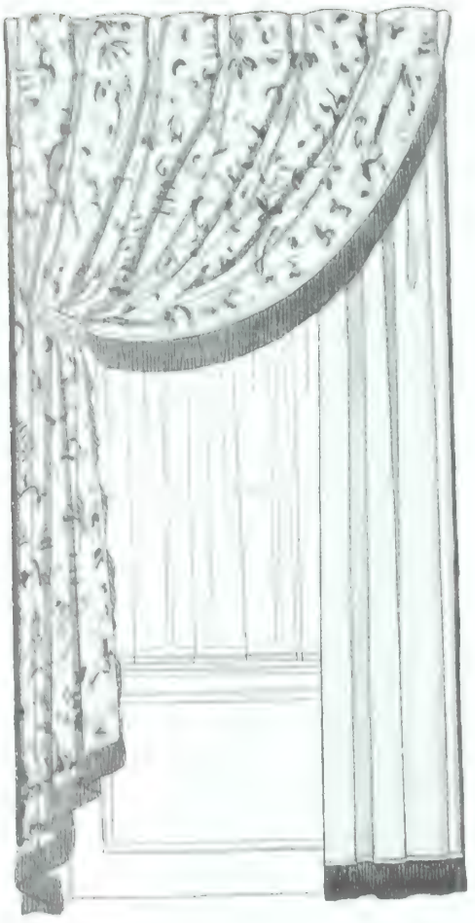
SMOCKED

(Below) Ecru scrim curtains are lined with rose-pink sateen and have a narrow magenta border. Window frames are emerald green. On the painted valance is a bow of green taffeta. Shade has a painted green vine



Designed by

Agnes Foster Wright



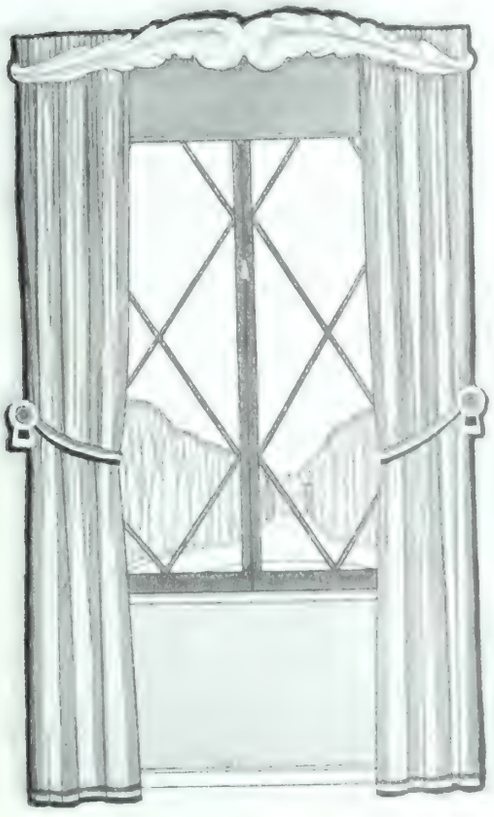


EMBROIDERED

A light yellow printed satin of French design is headed the full width of the window and edged with a salmon fringe, and held back by a French gilt arm. The right hand curtain, of thin salmon silk, can be drawn across at night and is edged at bottom with the same salmon fringe.

LACED

(Extreme Right) Long, light weight white cotton velvet curtains are lined with yellow and edged with yellow French straw ribbon. The valance is painted wood with a silver metal cornice set in. The backs are of silver. Undercurtains are made of soft yellow gauze hanging full





TUFTED

(Extreme Left) For the Tufted Room the curtains are blue and white striped moire tied back with handsome cord and tassels en rosettes of the cretonne material. The valance board, representing two ostrich feathers, is cut from wood and painted white and blue

BEADED

A [illegible] has three wood rods down the front and at the bottom. The gathered headings are lined with [illegible]. The curtains are held back by Directoire [illegible]. The window shades are a handsome [illegible] patterned in a [illegible] flower design



Modern Windows In Colorful Designs Of Rich Glass And Lead

WINDOWS of decorative glass can serve both useful and an esthetic purpose. They can filter colored light into a room and form a colorful pattern that serves much the same purpose as a mural painting; or they can hold the useful service of blotting out an objectionable view.

Hitherto they have seemed merely artistic adjuncts to a house, a species of desirable luxury. In this age when views in town, at least, are frequently blocked by new buildings, or vistas become undesirable, the window of stained or decorative glass becomes a necessity. If the method of making them is unusual, they have the added virtue of individuality.

The lead plays an important rôle in the design. Figures are cut and perforated lead set between two sheets of glass or else it is used to outline unusual patterns. In other windows various kinds of glass are employed —ribbed, fluted and otherwise textured — a colorless pattern that still lets in a maximum of light. In still others colored medallions and borders make a rich tapestry. They are the work of Chicago artists.









French and Italian 18th Century furniture of the country type, combined with painted Venetian pieces, give variety and color interest to this living room in Cincinnati. Walls are hydrangea blue scumbled in zinc to achieve an antique effect corresponding to the timbers. Floor is polished black slate with Alpujarra rugs.

(Right) In this formal window group is a Venetian sofa covered in red velvet, and Italian chairs in white leather and mustard and brown striped satin. Citron moire hangings have quilted valances of poppy colored taffeta. Urban Morgan & Charles Seyffer, decorators



A Small Portfolio Showing Four 18th Century Interiors









Three rooms from the San Antonio residence of Mrs. Kelts C. Baker are illustrated. Old English furniture is a feature of the living room where walls are buff, curtains changeable green and gold taffeta and rug a light fawn. Cedar damask, needlepoint and printed linen cover overstuffed pieces

(Opposite) The dining room has buff walls, fawn colored rug, Georgian furniture and flowered linen curtains. Green walls with yellow dotted Swiss curtains and bed hangings, chintz shades and antique hooked rugs are used in the guest room shown. Wilkinson, Barclay and Lowndes were the decorators

Three Rooms From A Georgian House Located In Texas

The Morning Room—An Intimate Retreat For Working Or Leisure Hours

Horace Wesley Ott





An example of conservative taste in decorating a morning room is shown by these two photographs. The walls, paneled in walnut, are finished in a very light tone and waxed. Curtains are blue-green taffeta over champagne colored net

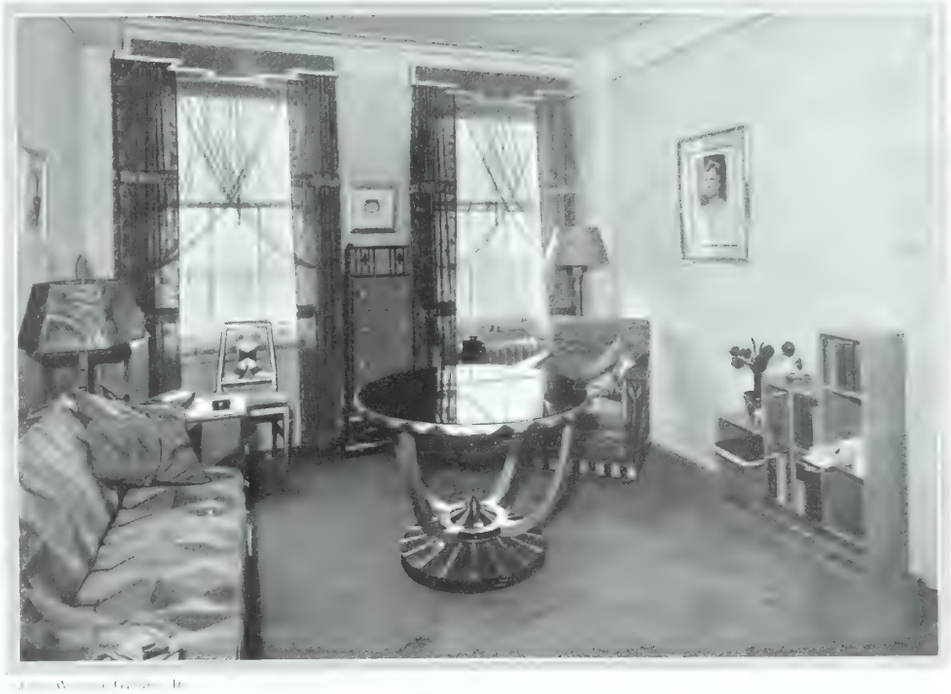
The furniture here is a congenial mixture of French and English 18th Century pieces. The Louis XVI sofa is covered in blue-green velvet. Satinwood desk and desk chair are English. This room was decorated by the New York Galleries, Inc.

AS its name suggests, the morning room is intended for the use of the various members of the household in the hours between breakfast and luncheon. Orders for the day are given here; perhaps the time will be passed in a chat with a friend, or in reading or answering one's correspondence. It will probably contain books, yet it has none of the somber dignity and sedateness usually associated with the library. Neither is it merely an informal living room—it will usually be smaller, and the actual dimensions will make it inadequate for the varied interests of an entire family.

The analogy can be carried too far, but in some respects the relation of the morning room to the living room is not unlike that of the breakfast room to the dining room: both are intended for morning use, and their decoration should strike a keynote of simplicity and informality conducive to a proper beginning of the day. Fortunately, the morning room is not a modern version of the "den" of our childhood, which was supposed to attain coziness by means of a disorderly accumulation of dilapidated furniture and Navajo rugs. It may at times take the place of the card-room or breakfast room, but its utilization as such is not comprehended in the original conception. As has been said, the emphasis which will be put on particular usages will depend on the tastes and manner of living of the owners.

It certainly should be so located as to receive plenty of morning sunlight. Without





An interesting morning room in the modern taste is illustrated above. Here the walls are painted pale gray with a striking design of intersecting lines in darker gray edged with white. Both furniture and fabrics repeat the modern note

The window treatments in this morning room are not only novel but decidedly practical in that, although three sets of curtains are used, the quality of the fabrics allows the passage of a maximum of sun. New York Galleries, Inc., decorators

sunshine it is like a living room without a fireplace—deprived of the very force which would have justified its existence, it must always be self-conscious and meaningless. Artificial lighting it will undoubtedly have, but the determination of the decorative scheme will assume and be governed by the presence of sunlight.

Sunshine, then, is the *sine qua non* of the morning room, and nothing in the decoration should be allowed to minimize its effect. Since the room will be used only for a few hours of the day, the wall treatment may be rather more daring than would be advisable in a room where more time is spent. Many charming sets of wall papers, notably those in landscape designs of trees and flowers, perhaps enlivened with a gorgeously feathered bird or two, are ideal for our purpose. The fact that the design is not repeated within a set, which will vary in number of rolls, gives such papers the pictorial interest of a mural painting. The painted wall is, of course, less expensive and, provided the color is right, may be used with charming results. As for draperies, heavy damasks and rich velvets will obviously be unsuitable for a room which must first and foremost be spontaneously cheerful and spirited. Crisp chintzes, linens or toiles—any of the simpler sorts of fabrics—not only do not obscure and absorb the light but seem at times to bring the sunshine indoors. Similarly, the sophisticated furniture of the drawing room and the ornately carved Italian and early English pieces will dampen the spirits of the best intentioned morning room. Let the furniture be painted of light woods—18th Century English, simple French or French Provincial, Venetian, modern—the choice is wide, so long as it is in keeping with the mood of gaiety and cheer we are trying to attain.

So much for our hasty and necessarily incomplete suggestions for the decoration of our morning room. The accompanying photographs are concrete examples of what we have been discussing in general terms. They are unusually interesting, if for no other reason than that they are about as different from each other as could be imagined: one is as modern as the other is conservative, but both have been created with a precise knowledge of the goal in view. We are not concerned with the opponents or champions of modern decoration—there are still plenty of both—but perhaps even the former will admit that for a room not constantly used, which must be smart and yet simple, it has some merits to commend it.

Walls in the modern room are painted pale gray with a bold design of sharp interesting lines in darker gray edged with white. The treatment of the windows is not only decidedly novel but extremely practical; three sets of curtains ordinarily would darken a room, but the transparent, almost gossamer-like quality of the fabrics allows the sunshine to penetrate almost as if the windows were uncurtained. The furniture is painted in clear shades of gray, sepia and

(Continued on page 94)





Perfect balance and what might be termed gracious formality characterize the Pliny W. Williamson garden at Scarsdale, N.Y. These effects are obtained only by careful selection of plant material as well as the design of the planting

The garden is intimately associated with the house, access from which is direct and natural. From the upper windows one looks down easily upon a sheared hedge, broad masses of bloom and a wide stretch of lawn

(Opposite) Late June is a time of great beauty in the garden which is then alight with the glory of Delphiniums, Madonna Lilies and Japanese Iris. J. J. Spoon was the landscape architect of this place

Early Summer Comes To Brighten A Friendly Hardy Garden In A Westchester Suburb







Penstemon Hartwegii, the scarlet bugler, one of the rock gardens which needs a continually cool moisture. Plants like Penstemons, snapdragons, the foxgloves, the columbines and many others



Mariposa lilies are a most beautiful and popular flower. In July and August its large, pure white flower head, often as much as a dozen inches in diameter, is a glorious sight in the Eastern garden

Western Wildflowers For Eastern Gardens

Herbert Durand

WITH the passing of 1930 there ends the fourth year of my cultural experiments with the Rocky Mountain wildflowers. Over three hundred species have been tested of which a large majority were located in their natural homes during the House & Garden plant-stalking expeditions of 1926 and 1927. Both years' seeds, bulbs and growing plants of the most attractive and promising kinds we found were brought East. The conditions of soil, moisture, exposure and plant association of each species were carefully studied at the time of collection, and voluminous notes were taken. Painstaking efforts (too painstaking, as it turned out), were made to approximate these conditions in my own garden and in two others, widely separated, that were placed at my disposal for the purpose. And the behavior of the strangers in their new surroundings was afterwards closely watched.

On the whole the results have been very satisfying. It has certainly been demonstrated beyond question that a remarkable number of entrancingly beautiful



(Above) The Pasque flower, American Pasqueflower, Anemone patens Nuttalliana, is one of the first wildflowers to appear in the rock garden. It grows readily in a rather sandy soil. It gets its name from its early blooming

Best of the Bitterroot tribe is Lewisia howellii, a summer bloomer. Its flaring, rayed flowers are apricot color streaked with rose. Use it in the rock garden where its ornate beauty can be displayed in the open and to the fullest advantage



flowering plants, hitherto entirely unknown to American floriculture, have been proved to be admirably adapted to cultivation, are easily established in gardens of the Eastern and Central States, and can be obtained and enjoyed by anyone who will give them the same measure of attention they give to ordinary garden flowers. That there have been many disappointments and a few absolute failures (largely, however, with collected specimens), must be admitted and was anticipated. Some very desirable and lovely kinds seemed to resent their abrupt transition from high to low altitudes by making little growth and no flowers for two and, in a few cases, three seasons. In other words, they simply refused to become acclimated. And there was a little suicide club of ultra-fastidious aristocrats from above timber line, whose members passed away with astonishing celerity, evidently

(Continued on page 106)



(Right, above) The Cuckoo Flower of the Rockies is known to botanists as Cardamine cordifolia. Its tender, erect flower stalks lift their pure white blossoms well above the foliage. A desirable spring bloomer



(Right) The mellow yellow masses of the Sulphur Plant (Eriogonum ovalifolium) are a notable summer sight in the rock garden. It is one of the western wildflowers that have been well tested in the East



Golden Glacier Lilies (Erythronium parviflorum) as they grow naturally in the Medicine Bow. These bulbous plants, cousins of our eastern Troutlily, open light gold-yellow, starry spring blossoms. They are available and successful for use in our eastern rock gardens



Hans G. Hess

Clove Gilliflowers Of Long Ago Bring Unique Charm To Gardens Of Today

Louise Beebe Wilder



Clove Gilliflowers are especially lovely during June when their fringed petals are accented by the blue of Harebells. A group in the rock garden of Francis L. Wurzbach, Bronxville, N. Y.

Among the border Carnations are many fine varieties, one of which is New White Clove. They all like a light, nourishing soil, well limed. Acidity is fatal to them, and they like plenty of sunlight, fresh air and shelter from high winds

AMONG flower names none in the language is softer or sweeter than the Gilliflower. It is a pity that it has almost lapsed into disuse. In the old days it seems to have been a sort of pet name bestowed not upon a single flower but upon several to show the esteem in which they were held, and there was usually a distinguishing prefix. Thus there were Clove Gilliflowers (Carnations and Pinks), Wall Gilliflowers (Wallflowers), Queen's Gilliflowers (Hesperis), Stock Gilliflowers (Stocks), and a number of others. All had in common the gift of rich fragrance. The Carnation, Dr. Prior tells us, however, was the Gilliflower *par excellence* of early times, the favorite flower of high and low.

In ancient works we find the name spelled impartially Gylofre, Gillofloure, Gely Flower, Gelouer, July Flower, and so on. The word is a corruption by way of the French Giroflée, from Cariophyllum, a clove, and referred to the spicy odor of the flower, which was used commonly in flavoring wines to replace the more costly clove of India, *Caryophyllus aromaticus*. Today the fragrant flowers sold in the Paris flower markets as Giroflée are Wallflowers. The name Carnation is said to have come into use about the middle of the 16th Century, and was usually written "Coronation" because of the frequent use of these flowers in chaplets and coronels.

The original wild Carnation with its five rose-crimson petals may be seen in many parts of France and occasionally in England, growing on cliffs above the sea

and keeping a foothold in the crumbling walls of old castles and churches. Nobody nowadays grows the wild Carnation, so many and so enchanting are its descendants, but it is very pretty, nevertheless, and very sweet and quite worth a chink in your rock garden, if you can get the seeds.

The Carnation was probably the first of what are called florists' flowers, the first upon which hybridization was practically performed. In any case it was the first flower to have an entire book devoted to its culture. This was *La Jardinage des Oeillets*, published in Paris in 1647. Turner, the old herbalist and gardener (1551) refers to the Gilliflower as "a flower made pleasant and sweet by the work of man."

In Elizabethan times this simple and sweet flower enjoyed universal popularity and gardens of the day must have been made very delightful by the rows and rows of Gilliflowers blowing along the beds and borders and perfuming all the air. All the books of the day include long treatises on their culture and some give the strangest instructions as to how to make them come double, or to give forth "divers smels or

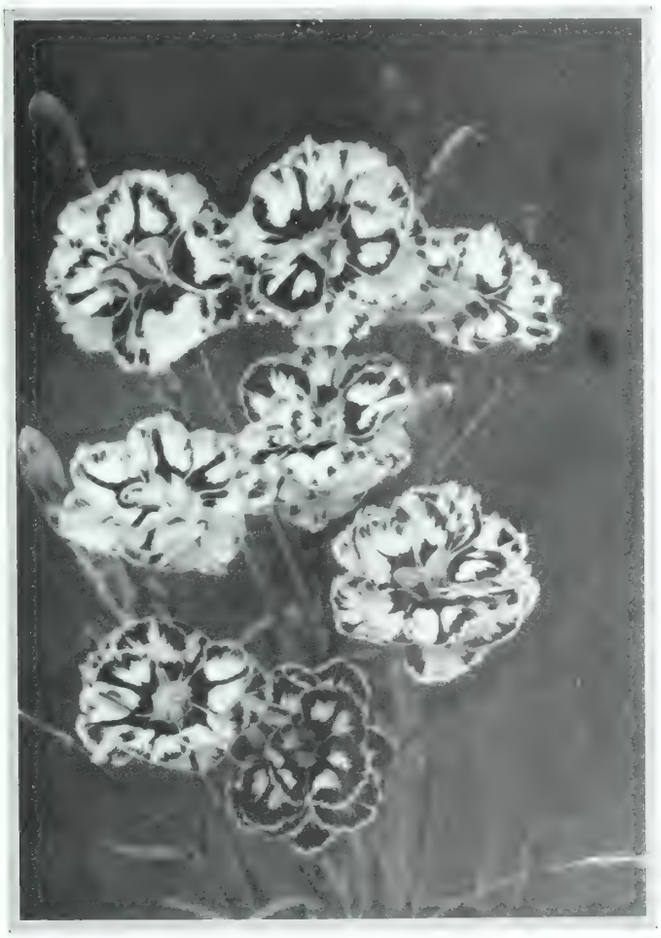
(Continued on page 112)



(Above) Dianthus plumarius, the old-fashioned Clove Pink, runs it to many different forms and color combinations. In the old days it was considered a remedy for hot pestilential fevers and was also used to flavor wine. Blossoms went into making conserves and salad garnishings



(Left) Another form of Dianthus plumarius, more variegated than most. A single packet of the seed of this fine old Pink usually contains pleasant surprises, as there is no telling what variations in blossoms it will produce. Plants are easily raised from seed and look well at all seasons





(Above) Spicy Breeze is the alluring name given to this double, dark border Carnation or Clove. So great is the variety of this fragrant plant family that one might well make a whole garden with it—and a wonderfully pleasant garden it would become

Many of the double Cloves, such as Viceroy, are beautifully formed and interesting in their markings. The darker color in the [illegible] varieties runs all the way from light pink to the deepest crimson. Plants may be bought or raised from seed



A French Farmhouse Set On A Quaker Country Hillside

Llewellyn Price



THIS house had an auspicious beginning. The inclinations and fancies of the owners led them touring the byways of the French provinces, picking up a window grille here and a *lit clos* there, a Gothic statuette or a bright brass kettle. These played an important part in the house that eventually materialized. Such concrete expressions of taste put before the architects a very pleasant task.

Then there is the site. A winding road passes through a wooded valley, turns gracefully and mounts to the crest of a high hill. At this turn lies a sunny slope, bordered by gigantic trees. Among these trees, on the flank of the hill, grew this house.

Its genuine and unforced picturesqueness, seen as you approach it, breaks into real romance at the front door. For this door is reached by driving into a court surrounded by warm-toned masonry and bays of brick half-timbered work with windows and doors placed to advantage. Underfoot are worn cobbles. Fan-tailed pigeons perched on the roof beam, on top of a wall, among flowers and harmless china cats, complete a picture lifted from some rural village of France. This is not a large residence, and yet it is equipped with an amount of parking space that usually is reserved only for much more extensive developments.

The entrance door, the main decorative

feature of a tower-like unit of the house, is delicately emphasized by a beautiful 13th Century carving in a niche above. It is situated where the house joins the ground, so that there are no tortuous stairs to climb on a wintry night. Once inside the door one is in comfortable and pleasant surroundings.

Here in this entry, flagged with wide stone units, one sees at once the evidence of the collector and intelligent use of the collection. The paneling of an old cupboard forms one of the doors, and there is the new balustrade of the steps to the living room in pleasant accord with this keynote.

The living-room mantelpiece is reflected in bookcases flanking the entrance door. This living-room proves that the elegant and the picturesque can dwell together in harmony. The mantel itself has these two characteristics to a marked degree, for while it is in the style of the full-blown French Renaissance, it shows the rustic touches of the country craftsman. Two upholstered chairs of similar period contrast, to mutual advantage, with a robust windowside table with heavy turnings.

While the living-room has been emphasized by a wall paper of striking design, the remainder of this floor is carried out in a plaster with a worked surface. "Worked surface" is just another name for "textured plaster," and "textured plaster" has come to mean all the tricks and craftiness that a clever workman can put into a wall, without the slightest knowledge of its artistic or architectural result. In these walls there is only enough undulation and wave to re-

(Continued on page 92)







Designed By Walter Durham

Of Durham & Irvine

Architects

The home of Clarence Lewis at Haverford, Pa., is on a hillside behind tall trees that give it the environment that its French farmhouse architecture deserves. The house is built mainly of Pennsylvania ledge rock, inset with occasional half-timbered areas nogged with brick.

While a small house, it has an advantage often given only to larger ones—a cobbled entrance court sufficiently big to serve for parking several cars. Off this is the entrance door, in a tower, a doorway pronounced by heavy panels and a 13th Century carved figure in a niche.

Both the style of the house and much of its furnishings are the result of travel and collecting abroad by the owner. The living-room is furnished in the manner of rural bourgeoise France, and the dining-room might be in an English country cottage. The walls of one are covered with a large figured paper; the other rooms have walls finished in textured plaster.

Inside and out, this home offers many charming and practical suggestions to those who are attracted by French farmhouse architecture

Designed After Farm Groups Of Provence

Franklin Abbott Architect

carried out after the fashion of
tiles. Taking advantage of the



J. L. Gerry



Old-World Precedent Applied To Italian Houses In America

Gerald K. Geerlings

BEFORE one buys a bond in 1931 he tries to determine its chances for still being a good investment in 1941 and in 1951. In building a house in 1931 no less should he inquire into its being an investment in 1951, rather than a net loss. Among the foremost considerations there will be those concerning the exterior, as to its style and choice of materials.

Let us assume that one begins with the beginning of things, aside from pre-Roman dwellings, and considers first the Italian style. What is its present status compared to houses of other countries and periods, how adaptable is it to modern America, how much real estate appeal will it still boast in twenty years?

Unfortunately one cannot mathematically extract the square root of the Italian style in domestic architecture, add the result to 1931 and find out how long it will be a serviceable investment, rating well in Bradstreet. The so-called modern movement makes the computation more difficult. Nothing less than a combined *Outline and Story of Architecture* can adequately deal with the subject. Within the margins of a few pages there can be only a few abbreviated generalities. As to the modern movement and its effect on the future of American houses, particularly those of Italian forebears, one observes that the citizenry appear open-minded in viewing canvases and sculptures such as they have never seen before, and complacently invest small sums in occasional purchases. However, it seems equally obvious that they are less willing to sink all of a long-saved nest egg into an untried type of house with the expectancy that it will hatch into a beautiful swan regardless of all ugly duckling indications.

Rather than revolutionize completely [illegible] violent but more permanent and beneficial. Doubtless it will the more quickly rid us of the Victorian hankering for gewgaws, and the desire for ostentatious display. Also, the recent years of peace and plenty [illegible] way of making us profligate with mixing styles and materials. The modern movement with its preference for simplicity and utilitarian forms is not unlikely to benefit us by awakening a keener appreciation for certain architectural styles which were themselves born of such taste, but which through successive years of out-of-focus archaeology have drifted further and further from the spirit of the original. Many of our houses of the past have so out-Italianed the Italians that they would scarcely care to accept the

(Continued on page 94)



(Left) This villa at Fiesole was built during a period when a wide approach was not curtailed by the size of the lot, when garage and sleeping porch were unnecessary and when a few small windows sufficed

(Right) The American house with Italian antecedents has too often been box-like, crowded with cumbersome windows, bays and porches, and inadequately planted. The result is usually inartistic, barren and uninviting



(Right) In the modern American house of Italian persuasion, the garage and drive are accepted as opportunities to utilize different levels. Its service portion contributes to the desired informal, rambling air. Open terraces on the second floor serve as protected play spaces, and a pergola introduces the garden





(Left) The popular version of an Italian cornice has too frequently been modeled after those of the grand palazzos which are twice the height of an American house. As a result the cost was excessive and the effect disappointing

The accompanying drawing for a cornice in America suggests a type common on the moderate sized houses in the province of Venetia, where on the main part of the building one course of brick is used like wood dentils and two surmounting courses are laid saw-tooth fashion. For lower portions, a bricks-on-end course is laid with alternating bricks at a 45° angle as a frieze

A form of chimney cap is shown which can easily be laid up with ordinary bricks and topped with tile

Many solutions are possible with Italian houses on varying sites. The group shown is one of them

In the upper left corner is a house on a hillside, conforming with the terrain and yet permitting successive additions. Beside it is a low, arcaded terrace with a fountain and small service wing, lending itself to additions about it as well

The house at the lower left is for a gentle slope. One end has an orthodox roof which can be closed in for winter, the rest is covered with vines trained up from the beds around the base

The last house, at the lower right, suggests the European plan of having dining room and service on the first floor, drawing room, study and the main chambers on the second, and children's rooms on the third





The windows of the Italian villa are not without a modern flavor in the simplicity and effectiveness with which they are ornamented. At the left is an adaptation of some at Cigliano, with plain outer colored trim of stone or plaster and a sill that rests on a slightly decorated apron. Shutters, instead of carrying louvers to the bottom, are stopped with panels

The doorway is an adapted version of an arch motif in the palace at Todi. Here, the arch is made sufficiently wide to encompass both shutters and window within the surmounting recessed semicircle

Simple quoins at the corner, a plain second floor sill course and two low plants placed in appropriately designed jars are further notes of Italian distinction suitable for America

Italian Features And Details Of Design

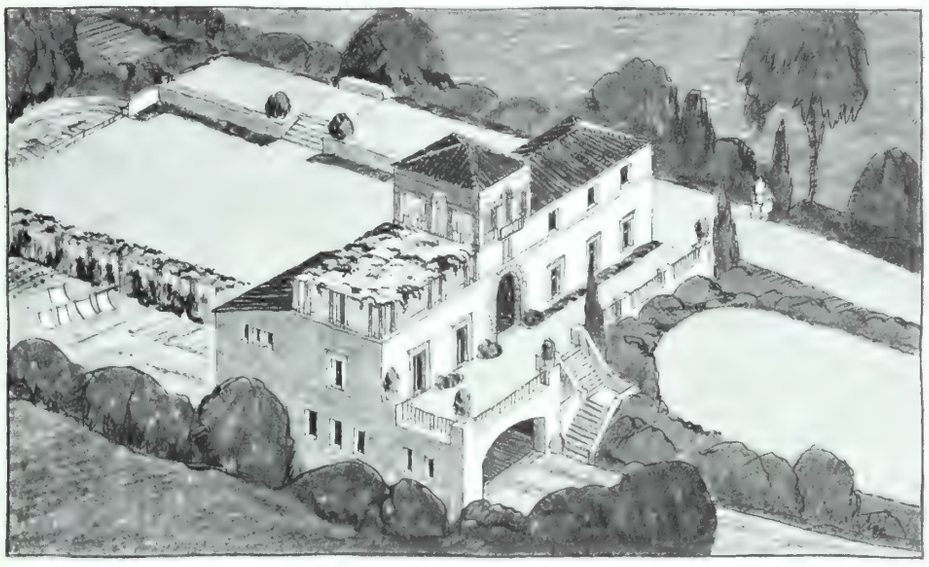
As They May Be Done In This Country

One of the difficulties of the modern plaster house is to make the windows seem aligned and intimately related. A simple solution is offered by a farmhouse in Murelle, Venetia, where plain flat widths of plaster are raised around the windows and carried through in horizontal bands

Band courses at top and bottom of second story windows provide horizontal accent to carry windows as related parts of a composition. In front of the steps is a pool and at the left a vine-clad arbor—both characteristic features

The neighboring house at the left of the picture illustrates a possibility for garage doors and surmounting windows; the two are separated by a Grape vine on a simple suspended horizontal trellis





(Left) The problem of locating the house on a constricted lot is generally complicated by the garage drive in front and the drying yard in the rear. A suggested solution, where the plot is level and slightly above the street, is to have the garage a half floor-height lower than the average grade

At the right a gently sloping ramp of lawn or flagstones leads up from the street to the front terrace. Both exterior and interior stairs connect the terrace level and garage. The plan places the living room at the right of the entrance hall and the kitchen over the garage

The drying yard is a continuation of the garage drive to the rear. Thus, the living room outlook over lawns and garden is unbroken. The dining room opens on a pleasant terrace

The entrance door of the Tuscan villa is more a matter of refined detail and good taste than of expense, and the modern house may well emulate its salient principles. Stone or colored plaster forming a simple frame for a paneled wood door is more certain to succeed if prefaced by a wide step on which are small potted plants. A vine and tree shadows will help still further

Stone quoins at the corner may be in an even line or alternately long and short. At the left of the picture in an arched treatment for living room, loggia or garage doors. The projecting balcony on the second floor could serve as open sleeping porch or play space

All the illustrations on the pages of the foregoing article are the work of the author, Gerald K. Geerlings



In Similar Ways A Latin Atmosphere

Can Be Introduced With Best Success

Various Types Of Incinerators And The Needs They Serve

Elizabeth Hallam Bohn

WHILE the greatest boon of the incinerator was undoubtedly to country and suburb dwellers who had no means of refuse disposal other than privately paid carters, those who live in cities and towns favored with municipal collection departments gave it little less eager welcome. As an aid to sanitation and for its convenience it soon sold its worth to them. At first a novelty, the home incinerator is now taking its place as one of the essentials of a well-ordered and equipped house, among other things improving the value of the property and reducing the fire hazard.

THE PORTABLE

The architect of a new house will no doubt specify one of the incinerators built right into the chimney, a hopper on every floor and a capacious, individual flue, serving both as down-chute for the rubbish, and as a carrier of smoke and gases during combustion of the waste. But there are many long built homes far from the builders' idea of modern protection. In some of these the kitchen chimney may have been demolished altogether, when gas or electricity was installed for cooking. With it went the chance of the kitchen-fed incinerator. So, in this case, the so-called "portable" type will be the only one feasible. This stands unobtrusively in the cellar, like a small boiler, ready to devour any type of indoor or outdoor rubbish through its capacious maw in the cellar, which serves as an intake, fed perhaps through a trap in the kitchen floor. This type of incinerator needs no reconstruction of the chimney for installation. It connects to the flue of any chimney with a short piece of stovepipe, and can be installed complete in an hour or two.

Like its prototype, the built-in incinerator, the portable type may be self-firing, using its own rubbish as fuel without outside assistance. Or bottled gas, oil, coal or wood may provide supplementary combustion to dry out wet refuse and hasten incineration. Some of these models have ingenious clock systems which automatically turn the flame on and off as desired. The construction is sturdy and permanent. The skillful arrangement of upright grates, which keeps the rubbish from packing against the sides, provides the maximum draft as the waste burns from the top down, while tin cans and other unburnable material still further serve to draw up through the burning mass.

More detailed information about any of the incinerators which are mentioned in this article, and the names and addresses of their manufacturers will be promptly furnished upon request to House & Garden Reader Service, [illegible] New York City.

Identical in principle are the self-roofed, out-of-door models which handle barrels of tree clippings and garden refuse in addition to serving all house needs. These absolute necessities on large country estates are usually built quite a distance from the house, where they cannot interfere with the view. House waste makes a speedy and easy trip over small hand trucks.

SMALL OUTDOOR TYPES

Then, lastly, there are the baby out-of-door models which snuggle unobtrusively into a far corner of the garden, and within their limitations of not indefinite service, carry out their purpose speedily and well. This type is not unlike a covered ash can, with a short screened funnel, and layers of alternating dry rubbish and garbage are speedily reduced to innocuous fertilizer when stored in its depths.

The smaller incinerators are a more casual purchase, like any convenience of moderate cost. But the larger types are a matter for real thought and discussion with the manufacturer's specialist, who will advise on the best type and size for individual conditions. He will also supervise the construction or installation, and instruct in its most effectual use. And, as with any major piece of equipment bought to give one-hundred per cent service over a considerable period of time, the manufacturer's reputation and known integrity should play an important part in the decision.

From the list which follows, an incinerator can be chosen that will fit the needs of any type of home—in size, in price, and in type of installation. If bottled gas is to be used as a fuel, it should always be specified, so that the burner may be adapted to it.

Twenty-four years of experience stand behind the incinerators made by a company we will call "A". Their portable type comes in four sizes, all ready for installation in kitchen or basement. Within the cast-iron fire box, two bunsen burners, fired by bottled gas, provide combustion of the refuse.

AUTOMATIC CONTROL

Automatic control can be furnished on these incinerators, if desired. The incinerator is practically indestructible, and all of the interior parts are very easily removable without the use of tools.

This company also makes a portable incinerator with kerosene-burning equipment which can be installed under almost any conditions. It gives splendid service.

The built-in-the-chimney type made by the company spoken of above, destroys its rubbish without the use of gas or other supplementary fuel. The brick combustion chamber may be located in the basement or, if this is not available, built on the ground level outside the building, with the feed hopper within. These hoppers, into which the rubbish is placed, may be located on each floor, provided the flue is sufficiently large. The design of the interior permits slow burning of waste with no odor or heat to indicate the destruction going on within the firebrick enclosure.

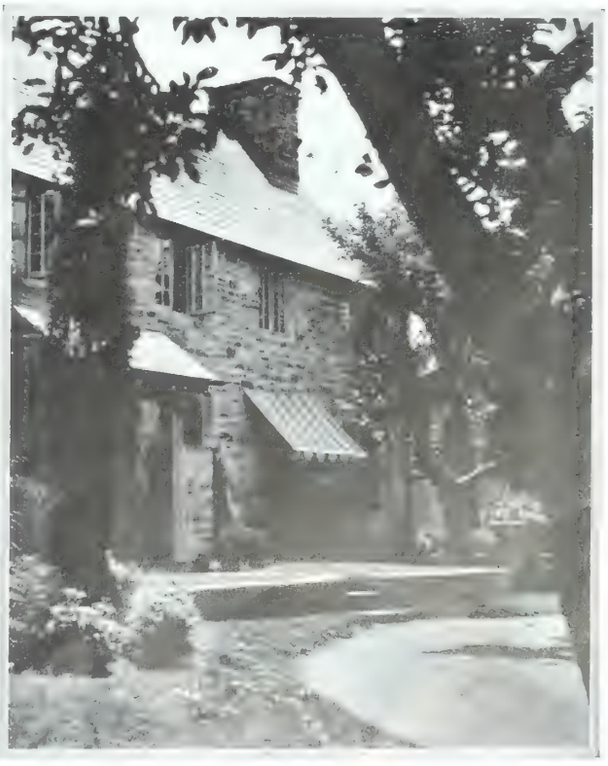
Another sturdy and finely constructed incinerator is "B." Its maker manufactures seven different models to give satisfaction under any possible set of circumstances.

The portable type uses bottled gas as a fuel, burning the waste—wet or dry—in an ingenious grate, like a suspended basket. Its fine enamel finish makes it a real addition to the well-dressed cellar, and it is quickly installed, being connected to existing chimney flue with a simple six-inch stovepipe.

(Continued on page 96)



Karl D. H. Roehr



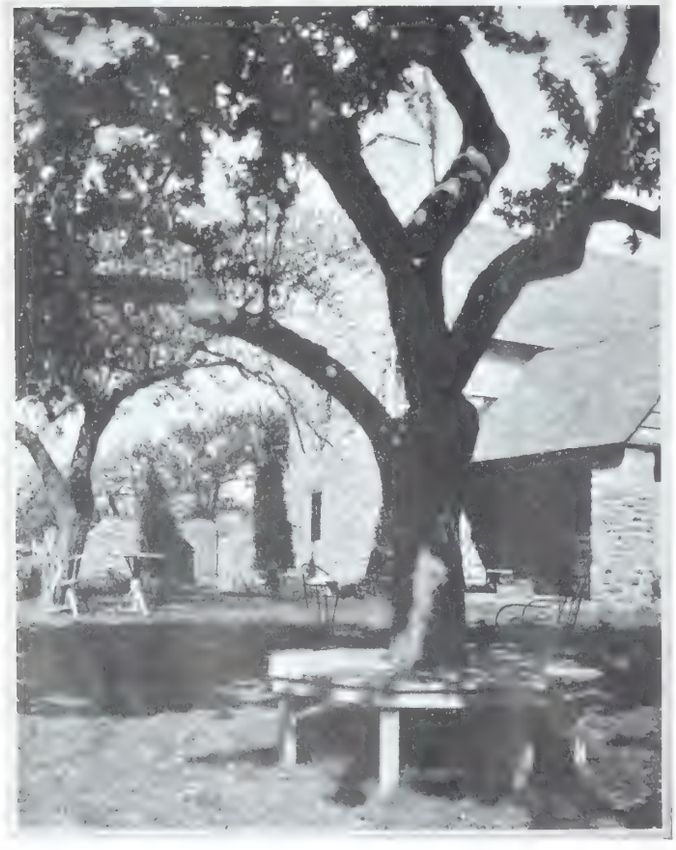
The home of Dr. and Mrs. A. O. Jimenis, at New Canaan, Connecticut, is of native stone and so skilfully located among the trees of an old orchard that it blends perfectly with its rural setting. Looking toward the south front especially, it is framed by the trees—a fine effect of naturalness which is heightened by the occasional use of Cedars along the stone wall which partially encloses the garden

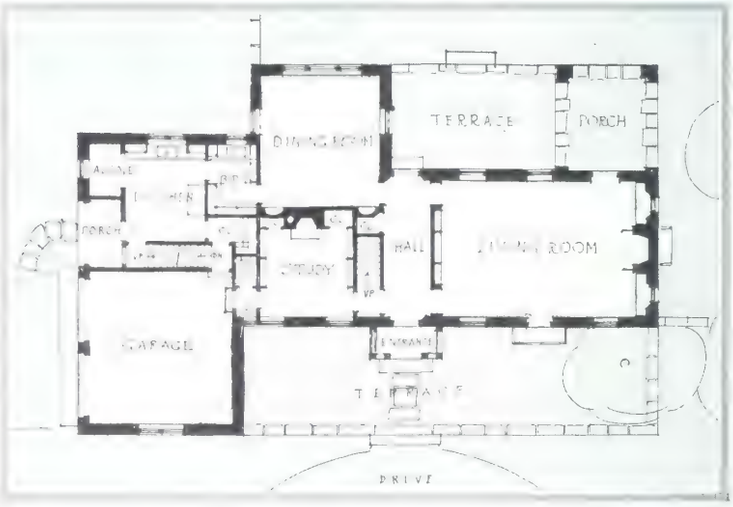
(Right) The entrance terrace is simply treated, as befits a house of this straightforward character. Throughout the exterior walls an interesting texture has been achieved by the varying tones as well as sizes of the stone

Calvin Kiessling, Architect

Stone And Slate In The Midst Of A Connecticut Apple Orchard







[illegible] the rear, the living room opens graciously into its surrounding orchard. Both rear porch and the adjoining terrace open directly from the living room and face [illegible] which has wisely been kept informal in treatment. Dining room, study, kitchen and a two car garage complete the plan of the first floor of this residence

An Appropriate Type



Karl La Roche





As seen from the direction of the highway the house is long, low and inviting. Despite its moderate size it provides one double and three single bedrooms, with two baths. Two maids' rooms and a bath, together with a small storeroom, are found in the ell at the left above the kitchen and garage. Stephen Hoyt, landscape architect

For A Rural Setting





Along with the early settlers from the northeastern states came the types of houses they had known—the pattern which is still being chiefly adhered to in the best residential design of Ohio. The central portion of this residence, the home of Dr. Mervin Thomas at Shaker Heights, is of cut stone, wings are clapboarded. The roof is slate

A short entrance hall provides access to living room, to second story and opens upon a smaller hall leading to kitchen and garage. At one side of the living room fireplace is a door to the porch, balanced by an entrance to the book-room. An octagonal breakfast room is a feature. Four bedrooms, dressing room and 4 plumbed baths on the upper floor

Dunn & Copper, Architects

Ohio Still Follows Its Architectural Heritage

Recent Developments In Building And Residence Equipment Fields

Gayne T. K. Norton

SOMEBODY has done some real thinking about ironing boards, with the result that these homely necessities are now as modern as the garage door controlled by radio. The new all-steel ironing board, built into a cabinet in the wall of kitchen or laundry, has no floor support or wall brace to get in the way, and the board may be turned from side to side for greatest ironing convenience.

Due to its construction, it cannot warp, bend, burn or wear out. It folds compactly out of sight. A fireproof compartment at the bottom of the cabinet is provided as a housing for the electric iron. Installation is as simple in an old house as in a new one. Finished in gray, the door and cabinet will take any other desired color. Pads and cover are easily put on with patented clips, 18 of which are supplied with the board. It fits into a wall opening 56⅞ inches high by twelve and a fraction inches wide. Bottom of opening should be 24 inches from the floor. The electrical connection for the iron should be 58 inches from the floor and 12 inches from the right of the cabinet.

GARAGE DOOR CONTROL

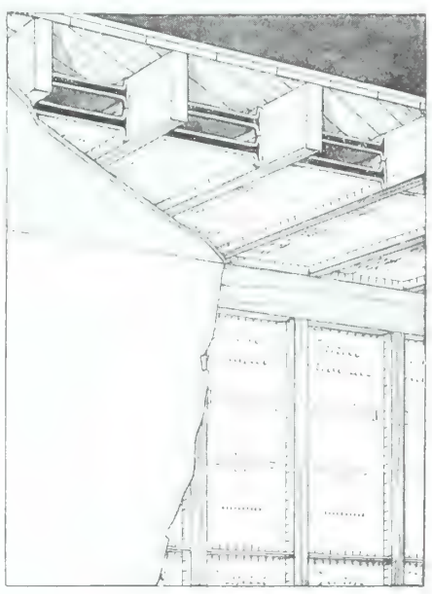
RADIO control for garage doors has been perfected. With a system now available, one can pull a knob on the instrument board of a car and a radio transmitter will send out, from an antenna fastened to the car frame, a series of wireless impulses that is picked up by an antenna buried in the drive. This "underground aerial" is connected with a receiver that operates a motor which opens the doors. The device also illuminates the garage and closes the doors after the car has entered.

It locks the doors but leaves the lights burning. The receiving set is adjusted to operate only upon receipt of a certain series of impulses so no car but the proper one can "tune in." Doors may be opened by a switch within the garage. Further, they are equipped with a safety control so they will not close if a person, the car, or other object is in their path.

Locking is accomplished by a brake in the motor unit and the lock is pick-proof. During the day, garage lights will not light when the knob in the car is operated. This equipment is applicable to doors of sliding, folding, swinging and overhead types. Within the garage is a release chain on the motor; pulling this chain makes possible hand operation of the doors.

TRIPLE WALL INSULATOR

AN insulating material recently placed on the market is bidding for popularity not only because of its low conductivity, but also on its ability to stop vertical circulation of air within the walls. This vertical circulation, we are informed, partially nullifies actual insulation efficiency because the warmed interior air has a tendency to pass up through the wall and lodge in the attic or escape through the roof. This new corrugated wood-pulp board provides for the stopping of such vertical circulation.



Month by month this page records newly developed materials and devices of particular interest to those who wish to keep the construction and equipment of their homes up-to-date. Each item mentioned is actually available for purchase. The names of respective manufacturers will be furnished on request by House & Garden's Reader Service

[illegible] feet apart, are placed between the sections of insulation; these prevent air movement within the wall [illegible]. Installed between studding, it automatically divides the space vertically into three separate cells of caged air, one between it and the outside wall, one within itself, and one between it and the inside wall. These spaces, it is said, reduce heat loss about 40 per cent. The material is sanitary, vermin-proof and fire-resisting, and may be easily installed in the roof or attic floor of an old home. Its action is like that of a storm window. It may be telescoped to fit any width, and so tends to eliminate drafts about windows. The sketch at the left shows part of a wall and ceiling with this insulation in place.

BREATH SWITCH

MECHANICAL men, already light, sound, touch and presence sensitive, are now wind conscious. I do not refer to either electric lung or larynx. Thanks to Dr. E. E. Free, of New York, inventor of this electric sense organ, a mere "pouf" will summon the butler or call the police; a sudden exhalation into a telephone-like transmitter will, with simple auxiliary apparatus, cause matter to do your bidding.

Nothing more than a push button switch adapted to operate with air flow, this relay may be harnessed to do anything from operating a typewriter carriage to flushing a toilet. A hard rubber case contains two thin phosphor-bronze vanes hinged at their rear extremities and arranged to be forced together by air flow. When forced together, a contact is made at their forward ends. This contact actuates a relay which, in turn, can be made to make or break any type of electric circuit.

Sensitivity can be adjusted by altering the length or stiffness of the vanes and by altering the [illegible]. In its ordinary form the switch may be made sensitive to an air flow with a speed of about [illegible] per minute. A [illegible] lips at a speed greater than this when we [illegible] a candle [illegible]



John Wallace Gillies, Inc.







Pleasantly informal yet solid and substantial in aspect as well as actuality, this small house at Bronxville, N. Y., is fittingly situated on a gentle rise of ground which sweeps unbroken to the road. Walls of whitewashed stone and stucco are set off by deep toned roof tiles

While containing but the usual two full stories, such advantage has been taken of attic and basement as to add another floor to the place. The tower is not merely a picturesque exterior detail—housing both stairs and entrance hall, it renders adequate service for the space occupied

A general view of the living room is given above. To the right is shown the interesting corner fireplace treatment which has been carried out in the owner's bedroom

R. H. Scannell

Architect

An Architect Builds Himself A Residence Of Norman Character



The majority of the new bathroom fittings are chromium plated to the highest degree of brilliance and resist weather corrosion and discoloration. They need only to be wiped off with a damp cloth. (Above) Fixtures available in chromium plate, [illegible] gold plate. Kohler Co.

Mixer faucet [illegible] bright. Below, an interesting design available in [illegible] chromium plate, [illegible] with hand [illegible] panel of the model has [illegible] chromium with panels finished in gold plate [illegible] gold plate. Standard Sanitary Manufacturing Company



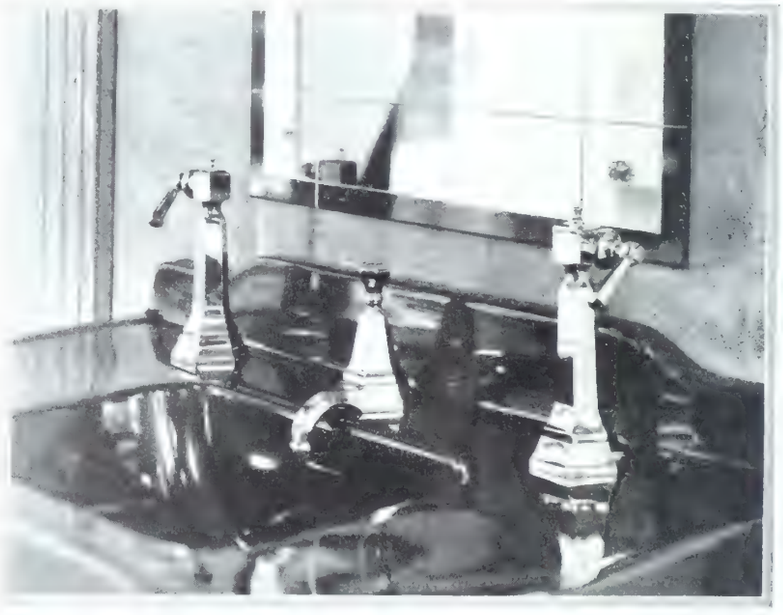
(Above) Fixtures [illegible] crystal and chromium plate. Plated handles and waste [illegible] crystal. Also available in polished or brushed gold or silver plate. Crane

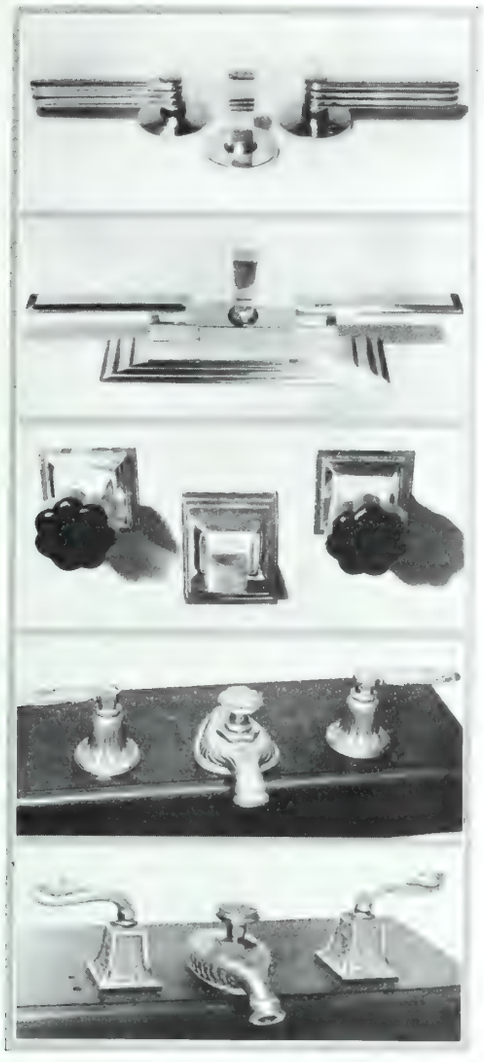
Towel racks and holders for soap and bathroom [illegible] are amusingly shaped in the form of a dolphin and finished in chromium plate. From the Chase Brass & Copper Company. Mono-[illegible] Line [illegible] Mixer



(Below) Heavy metal fixtures in smooth or satin-finish chromium, or satin-finish gold plate, are effective with colored [illegible] fixtures like these are over Copenhagen blue lavatory. Standard Sanitary Manufacturing Company







Excellent design in the modern spirit characterizes the two fixtures at the upper left created by Helen Dryden for the Dura Company. Chromium plated, the simple horizontal effects have distinction and grace. Below these are chromium fittings with black glass knobs designed by George Sakier. Standard Sanitary Mfg. Co.

Below at the left are gold plated period fixtures for the French bathroom designed by Fontaine. In the fourth picture from the top is a characteristic Louis XVI pattern of slender leaves. The graceful Empire design below this has swan handles. Crane

The fittings at the upper right are in chromium finish, plain or hammered Sheffield plate, or gold plate. Speakman Company. The lavatory is durable marblerized china which simulates the delicate veinings of natural marble. The Trenton Potteries



New Bathroom Fittings In Varied Designs Now Add Beauty to Utility

(Below) This conservative modern design, with its simple fluting on the faucets, would be effective in any type of bathroom. It comes in polished or brushed chromium plate, as well as in polished or brushed silver or gold plate. From Crane Company

The simple, rectangular lines of the design at the right are admirably suited to the modern bathroom scheme. These faucets may be had in bright or pewter-finish chromium plate, or in gold plate. Shown by courtesy of the Kohler Company



Dana B. Merrill



Questions Readers Have Asked And Our Answers To Them

I HAVE a number of floors that are in very bad condition. Can these be restored to look presentable? And can you send me any directions for refinishing old floors?

L. G. W.

Floors of hardwood, such as oak and maple, and the better grades of soft wood, have so much beauty inherent in the grain that they are usually finished with some transparent material like high-grade varnish or else waxed and polished.

The first step after the wood has been carefully sand-papered with the grain, then swept and dusted, is to use a filler to fill up the pores of the wood. Apply it to the floor and then rub off the surplus filler as soon as it dries. There should be included in this filler whatever stain is desired for the floor. After the filler or stain has set for fifteen or twenty minutes, the surface is rubbed crosswise of the grain with cotton waste or burlap. It should then be allowed to dry from twelve to twenty-four hours.

Then apply a coat of shellac which should be allowed to stand for six to twelve hours. Go over this with 0 sand-paper, smoothing it off but not cutting it through. Apply a second coat of shellac and treat it in the same way. If the shellac has been thinned, use three coats, but if it is rather heavy use only two. After the top coat of shellac has dried it is a good practice to wait two or three days. Then go over it with sand-paper, smoothing it down with soft cloth.

After cleaning the floor off thoroughly, apply the floor wax. When the wax is dry, polish it with a weighted brush. If a brush is not available, use soft flannel rags.

Varnish is easy to apply and gives a surface of brilliancy and durability. The first requisite for an effective varnish finish is to use good varnish; the second is to have the surface of the wood and the air in the room as free from dust as possible; the third is to use only scrupulously clean, correctly made brushes. The varnish should be brushed on lengthwise of the grain in a smooth, thin coat without overlaps or brush marks. At least two days should be allowed for drying before a second coat is applied. Thus handled, a varnished floor is exceedingly good to look at, is durable and very easy to keep clean.

SEVERAL times I have heard it said that, given an equal number and size of rooms, a low, rambling, one-story house is more expensive to build than one of two stories. Could you tell me just why this should be—presuming that it is actually a fact?

W. G.

There are at least three distinct reasons why the extended type of house normally is more expensive than a two-story of the same number and size of rooms.

First, because of the greater cellar excavation required and the correspondingly larger amount of foundation wall. Both of these essential parts of a house rank high in the total cost, even under the most favorable conditions.

Second, there is the added roof area necessary to cover the rambling type. Obviously, it will take more roofing to cover eight rooms cut in a line than would be necessary if four of them were placed on top of the other four. In this particular case, the requisite roof area would be exactly doubled.

In the third place, consider the attic space. It is obvious that the area directly below any given roof is more or less waste space as far as actual living accommodations are concerned, because the pitch of the roof, gable angles, etc., cut down the head-room. But no satisfactory way has been found to eliminate it—at least, in any of the architectural styles which are in general favor.

Naturally, the more roof, the more cubic feet are wasted in attic space. And since the cost of building is based on the total number of cubic feet enclosed by the walls, roof and cellar floor, it follows that cutting down the [illegible] the expensive parts of the completed job.

WILL you be good enough to help me in the furnishing of my [illegible] gay, colorful, and have comfort, elegance and charm.

In the room there must be a writing table, a daybed, a bookcase, a comfortable lounging chair, and perhaps couch. The only pieces of furniture I want to keep are a commode of Persian walnut and a simple bookcase of pearwood. I have tried to arrange the room myself but without success. It is a dark, narrow room with only one window in the narrower side.

In *House & Garden's Second Book of Interiors* I find [illegible] a marriage room where the walls were covered with Chinese wall paper. Would it suit my room? What kind of furniture does this type of paper demand, and what type of hangings would you suggest? I have plenty of mirrors without frames. Could they be used in the room to brighten it and where should I place them?

I hope you will help me with my problem.

H. M.

In spite of the fact that your room is badly proportioned and has only one small window, we believe you can make it attractive and livable with a light-giving color scheme, comfortable furniture and decorative wall paper.

Landscape wall paper in a design of trees and feathery foliage not only gives life and interest to the walls but has the additional merit of making a room appear larger. There is an extremely good, inexpensive reproduction of a Chinese floral wall paper that comes with either a yellow or peach colored ground, foliage in soft shades of green, and here and there a note of henna brought in by bright plumaged birds. This paper comes in a set of four panels, each panel measuring 40 inches wide and 80 inches high. On page 123 of *House & Garden's Book of Color Schemes* you will find a picture of an entrance hallway done in this paper. This book was published since *House & Garden's Second Book of Interiors* that you refer to. It contains a wealth of helpful suggestions for anyone planning to decorate, as there are over 200 color schemes and 500 illustrations of various types of rooms.

In your case we would advise the paper with the yellow ground, painting the woodwork the yellow of the background as this will both lighten and enlarge the apparent size of the room. Use curtains of soft yellow silk made with a swag valance and trimmed with yellow and green ball fringe. On account of so much design in the walls, the rug should be plain, in a soft green tone to harmonize with the greens of the trees. Cover the daybed in a narrow striped moire in green and copper color and two small overstuffed chairs by the daybed in green damask; a large overstuffed chair in the corner might have a covering in copper color.

Good 18th Century French or English furniture can be used here. In the matter of furniture arrangement, we feel the daybed should go in the center of one long side wall. A writing table placed in a window is both effective and practical. The commode with a mirror hung above it might stand in the center of the wall space opposite the daybed, with a straight chair on either side. Place the bookcase at one end of the room. Put a table at either end of the daybed and a pair of small overstuffed chairs in front, at the ends, the arrangement making an effective and livable group.

With a daybed in the room and comfortable chairs you will not need a couch. Instead, there might be a big overstuffed chair in one corner by the writing table. An unframed mirror hung above the daybed will give sparkle to the room and make it appear larger.

I AM contemplating building an eight or ten room house this coming year, but as yet have not decided on the architectural style which will best suit my requirements. I want a straightforward sort of place, simply planned and livable, which would look well on a practically flat piece of ground. An architect will be employed, of course, but I want to have something definite in mind before talking to one.

A friend suggests a Georgian house. What is your opinion of this type for my conditions as outlined above?

G. B. G.

We feel that a typical Georgian design would satisfy your requirements very well. It could be a simple rectangle, with central entrance door opening into a straight hall running through to the back of the house, where another door communicates with the garden at the rear. Among the specific advantages of such a style we might mention:

Symmetrical arrangement of rooms, thus reducing waste or semi-waste space. Rooms well proportioned and free of odd corners and angles, which means that they are easier to furnish and live in. Central stairway out of the main hall, thereby maintaining intact the first-floor rooms. A simple, straightforward roof design which minimizes the cost of this important part. Roofs with irregular lines, much cut up by dormers, valleys and changes of direction, increase the expense materially.

EVERY winter, when the new seed and plant catalogs arrive, I am simply appalled by the prospect of selecting from among the thousands of alluring things they offer. The further I

(*Continued on page* 102)

Summing Up The Case For Hardy Perennials

Dr. E. Bade

THE value of hardy garden perennials can be appreciated only when, in the spring, the first warm spell brings up the new growth with no effort on the gardener's part. Though the fall and winter have left no trace of life above-ground, the root stocks below the surface have retained their vigor and now set to work replenishing the garden with beauty.

Perennials have rightly come into their own, for they can be used in any garden and under almost any condition. Although the majority of them require a sunny place for the full development of their inherent beauty, many will be found tolerant and as such they will spread their charm in shady and partially shaded locations. Among the latter special mention must be made of Astilbe, whose flowers become fully developed in lightly shaded spots provided they receive a plentiful supply of water during the period of greatest growth.

Of course, if the hardy plants are to produce a large quantity of flowers they must be placed in sunny locations. This is no more than natural. They are effective when placed before the taller trees and they are striking when grown in groups in the border. For formal beds the smaller forms are often to be preferred while the taller and more massive types with more spreading branches are the suitable sorts for individual plantings.

Various types of mountain or rock garden plants are to be numbered among the smaller perennials and there are excellent border plants among them. Placed as flowering plants in the garden beds the smallest forms are at the outer edge while the taller forms are placed behind them until the largest of all are found in the back. At the same time care should be taken to see that the colors of the flowers produced harmonize.

Wherever wider beds are to be planted a number of plants of the same type are placed close together, this producing a more pronounced color effect when the flowers come. Clusters of various kinds may be planted together and the spaces between may be filled with forms flowering at a different time. In this way smaller groups

(*Continued on page* 115)





Prominent among the perennial wall flowers is Pyrethrum [illegible], an old favorite [illegible] white to deep red. It is of easy culture in sunny, well drained garden soil, blossoming in June and [illegible]

(Left) There are several good forms of Feverfew, often listed in catalogs as Matricaria. Their blossoms are white or yellow, fairly double, and produced abundantly during the summer. They grow strongly, from 18 up to 24 inches high



Dictamnus fraxinella, the so-called Gasplant, is one of the most permanent of the garden perennials. It forms a bush from 2 to 3 feet high, with fragrant foliage and spikes of showy white flowers freely borne during June and July. Under normal conditions it lives for years

The Gardener's Calendar For January

[illegible] tions. The dates are for an average season.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1. [illegible]	2. [illegible] Tools, fertilizers, [illegible]	3. [illegible] now to force [illegible] stantial root system. [illegible]
4. [illegible]	5. [illegible]	6. [illegible]	7. [illegible]	8. [illegible]	9. [illegible] quality flowers [illegible]	10. [illegible] topdressed with sheep [illegible]
11. [illegible] all kinds [illegible]	12. [illegible] during the [illegible]	13. [illegible] Raspberries [illegible]	14. [illegible]	15. [illegible]	16. [illegible]	17. [illegible] Lilacs, Wis- [illegible] growth starts.
18. [illegible]	19. Seed [illegible]	20. [illegible]	21. [illegible]	22. [illegible]	23. [illegible]	24. [illegible] warm house-cellar or [illegible] soil. It yields abun- [illegible]
25. [illegible] important [illegible]	26. [illegible]	27. [illegible] is a point [illegible]	28. [illegible]	29. [illegible] over watered by [illegible]	30. [illegible] tanist, died [illegible]	31. [illegible] any of the early [illegible] donia, Forsythia, etc., [illegible] a warm room. A little later, Cherry and [illegible] All should be im- [illegible]

Myrtle For Remembrance

[illegible]

[illegible] Full Moon [illegible]

[illegible] Last Quarter [illegible]

[illegible] New Moon [illegible]

☽ First Quarter, 26th day, 7 h. 6 m., evening, W.

First Week: Cold, windy, thick crust on snow.

Second Week: [illegible]

Third Week: [illegible]

Fourth Week: [illegible]

Good Firewood, Says Old Doc Lemmon, Isn't Just Logs

[illegible] can quite figger out why it is thet the city folks who come up here [illegible] like anythin' thet looks halfway like a piece of a log [illegible] nothin' meaner on earth than thet. It ain't fittin' for nothin' only ox goads.

"Ye know, there's a lot o' diff'rence in the way kinds o' wood burn. Mostly [illegible] iller ain't scurcely worth the trouble o' [illegible] stren'th in the fireplace than they hev [illegible] an' balsam burn good enough when they git [illegible] red they'll sot the chimbley afire, whut with the [illegible]

"[illegible] worth while. Gol-a'mighty, whut blazin' hot, steady fires they make! An' apple [illegible] thunder-storm blowed down a year ago; keeps pluggin' right ahead, apple wood does, makin' no fuss but just everlastin'ly doin' its job. It's when ye hev logs like them thet ye begin to know whut a downright comfort a real fire is.

"[illegible] puttin' up with nothin' only the [illegible] to waste time splittin' up the poor stuff except we figger on sellin' it to the city [illegible] we want to keep warm—not just for the name o' the thing."



Bean
Beef
Bouillon
Celery
Chicken
Chicken-Gumbo
Clam Chowder
Consommé
Julienne
Mock Turtle
Mulligatawny
Mutton
Ox Tail
Pea
Pepper Pot
Printanier
Tomato
Vegetable
Vegetable-Beef
Vermicelli-Tomato



All the bracing invigoration of Bouillon at its best!

Bouillon with the true French accent. Rich in all those exhilarating and beneficial qualities for which really good bouillon is famous. And touched to that ultimate refinement and perfection of flavor which everybody expects of Campbell's chefs.

The sparkling limpidity, the delicate bouquet, the enticing flavor of this soup are achievements instantly appreciated by the sensitive taste. The reaction of increased vigor and the response of a quickened digestive system make it valuable also for the sick-room. The amber-clear broth of choice beef is flavored with celery, onion, leek, parsley, herbs and seasoning. 12 cents a can.

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IS EASIER WITH
DAILY CHOICES FROM
CAMPBELL'S 21 SOUPS



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Bring SPRING into your home now with healthful *Moist Air* [HUMIDITY]

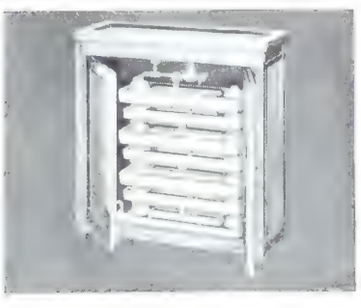


Banish winter dryness with automatic humidifier as low as $150 F.O.B. FACTORY INSTALLATION EXTRA

Spring outside is months away, but you can have it in your home now. All the comfort and health of a refreshing June day, instead of the dry, parching air that comes with winter and radiator heat, and which makes both children and adults susceptible to colds, bronchitis, sinus infections, and other ills.

You can have healthful moist air almost as easily and quickly as you could buy a piece of furniture. The Doherty-Brehm Humidifying Radiator, the only successful inexpensive humidifier, can be installed in a few minutes, with little fuss or bother.

It fits into any steam, hot water, or vapor radiator heating system like an ordinary radiator, and requires as little attention. It evaporates the right amount of water for health and comfort automatically. Evaporating up to 100 gallons a day, as needed, one provides moist air for an entire house or apartment.



Easy payments on the CRANE *Budget Plan*

The Doherty-Brehm Humidifying Radiator is sold by CRANE through dependable heating and plumbing contractors everywhere. You can buy it under the Crane Budget Plan and pay *only 10% down, the rest in small monthly payments.* Call in your nearby heating and plumbing contractor and tell him to equip your home now.

DOHERTY-BREHM

HUMIDIFIER

SOLD BY

CRANE

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DOHERTY-BREHM COMPANY, 333 North Michigan Ave., Chicago, Ill.

Please send me your booklet giving full information about humidity and the Doherty-Brehm Humidifying Radiator.

I have ... rooms in my house. I use ... hot water ... vapor heat.

Name ... Address ...



The slope of the roofs, cutting into the bedrooms on one side, makes interesting angles that accent the picturesqueness of the exterior of the house

A French Farmhouse On A Hill

(Continued from page 53)

them from the too-skilful mechanical.

In the dining-room this plaster becomes the article background for a decorative scheme that is both simple and picturesque. The same lack of rigid and tiresome conformity is evidenced in the selection of the furniture. There is a refectory table with its companion benches from France, which fit well with the uniquely curtained window. In a corner stands an Early American corner cupboard and about the room are placed a number of English Windsor chairs.

The bedrooms on the ground floor are of normal and good size commensurate with the other parts of the house. The steep pitch of the roof interrupts the side wall of the rooms to their advantage. While there is ample vertical space in which to place furniture, there are also the sloping surfaces above, cut into by windows.

In the little tower is a child's room of such a character that one could hardly mistake it for anything else. A tall, balconied window lets in an abundance of fresh, outside air, and by its companion, a large built-in [illegible] upon the ceiling. These [illegible] room an imaginative and fanciful air.

A unique possession is to be found here, a possession at once a fine thing in itself and a fitting part of the whole room—a *lit clos*. These beds were once to be found in almost every Brittany farmhouse, placed in a corner of the room and very nearly hermetically sealed when their sliding doors were pulled together. The upper deck of this *lit clos* has been removed and the superstructure now serves merely as a decorative canopy.

The interest inside this dwelling does not end with the living-room, dining-room and bedchambers, but extends into the basement. Passing from the front hall by a flight of steps hewn from solid timbers, one enters into a low, heavily-beamed French farmhouse kitchen. It might be a French farmhouse kitchen, but it happens to be a game room. There is for main interest, an informal fireplace built this way and that and blended into the wall and ceiling with many a round of angle and offset. It has the typical high mantelshelf, hung below with a short colorful smoke valance, and is clustered with brass kettles, pots and fire tools.



The basement has been fitted up as a playroom, decorated and furnished in the manner of a French farmhouse kitchen. The irregular fireplace, with its smoke valance and array of brass utensils, stands in amusing contrast to a modern ping-pong table

Illustrating three pieces in the Sloan Crystal Ware Lonaconing pattern. The [illegible] $140 a dozen, the [illegible] $150 a dozen and the [illegible] $190 a dozen



LOOK FOR THIS LABEL

REAL OR NEAR REAL

All that glitters is not rock crystal . . . Yet this is a season when fashion urges the real not the near real, especially for formal occasions. Rock crystal, not etched glass . . . sterling silver, not plated . . . full length linen damask cloths, not luncheon sets. So tables, like clothes, are more elaborate, more romantic, more exquisite than they have been for many years . . . lending glamour to entertainment once more.

When you see the new Sloan Rock Crystal Ware you will visualize your table set with the slender, graceful goblets, glasses and plates . . . so exquisitely cut . . . so sparkling with the fire and enduring brilliance of rare diamonds. Add this grace note to gracious living now. Write us for a booklet that pictures The Waldorf, The Ambassador, The Blackstone, The Lonaconing and other lovely patterns.

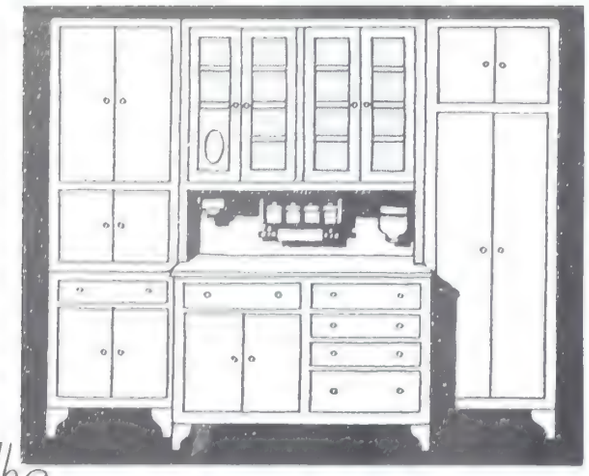
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Pictured here are two WHITE HOUSE kitchens, beautifully and efficiently equipped with these permanent, sanitary *steel* dressers.





They are carried in stock in handsome white enamel finish. Units in color may be ordered at small additional cost. Double doors and drawers, fitting into rabbeted *steel* frames make them the highest quality equipment obtainable. If your dealer does not carry them, write for green booklet.

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Established 1840

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Individual installations for large kitchens and pantries furnished to meet your own requirements according to plans and specifications. Send for gray catalog



Italian Houses In America

(Continued from page 211)

[illegible] a great help [illegible] to the Italian [illegible] more than [illegible] any other [illegible] It is absolutely fireproof, of course, and that it is cheaper than the stone [illegible] is beyond question. There are a number of excellent roofing tiles on the market, of various sizes and colors, the final result will evidence a discriminating taste or lack of it by the [illegible] not be too chalky or overburned and to have slightly mottled [illegible] but not "purple."

While the grander palaces of Italy were of stone, and an occasional villa of brick, the vast majority were of stucco, and I am convinced that [illegible] the very material which so highly recommends itself [illegible] From the villas which we have seen with other materials have been painted and whatever their original purposes they might have been of plaster. It is a matter, therefore, of following the path of least resistance to build up structural walls of a number of products such as common brick, hollow tile, stone tile, cement block, cinder blocks and several others, and over them cast stucco or plaster in such [illegible] which ever you prefer to be. Portal [illegible], cornices, trim around windows and doors, such [illegible] and balcony railings can be of cast cement, of stamped plaster and colored to [illegible] in contrast to the regular wall surface.

As to coloration of plaster, this can be accomplished by mixing [illegible] mineral colors with the cement, rather than painting after the surface is dried. However, when the house is finished there is no real reason why it should not be painted with excellent results, particularly with the spray apparatus which transforms the rough-textured stucco quite as thoroughly as the smooth. As to texture for plaster, that is a matter of selection and one who knows it should be neither so smooth as glass nor rough as [illegible] road, and who is able to [illegible] a good plastering contractor, and the effect is a happy medium between the two.

The Morning Room

(Continued from page 213)

[illegible] with the designs worked out in grayed blue, lavender and black. The fabrics, all of them of the newest [illegible] in tone, are in blue and [illegible] The effect is one of simplicity and [illegible] that [illegible] to the temperament of the young owners.

The other morning room, equally delightful in the more conventional manner of the 18th Century, has wall panels in light toned walnut only a little darker than satinwood. The almost [illegible] simple draperies are of blue-green cut [illegible] with [illegible] chintz-like colored net [illegible] the [illegible] blue-green, [illegible] kept in tone with the draperies and set a note to leave [illegible] of the floor exposed. The Louis XVI sofa is covered in blue-green velvet with [illegible] brick. One of the [illegible] by the window is of satinwood upholstered in gold brocade with a design in rose and green; the other, a charming Louis XVI painted model, is in the palest of blue-green brocades [illegible] in rose and ivory. The desk and desk chair are 18th Century English satinwood pieces with painted decoration of flowers, medallions and garlands. The occidental tables and consoles belong to the same period, satinwood with a piece of [illegible] in tulip and rosewood.

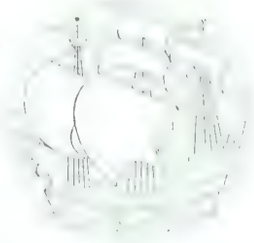
This room is so situated that it has windows on two sides, thus ensuring adequate morning sunlight. The draperies are drawn back to allow an unobstructed passage. The panel background has been kept light in tone, inclining more to the rich yellows than browns, and the furniture is of delicate design and freshly colorful. The recessed bookshelves, the easy chair and desk, to say nothing of the gay Jonquils and boisterous canary, make a room one might linger pleasantly in during the morning.



. . curl'd clouds weep down to meet the sea

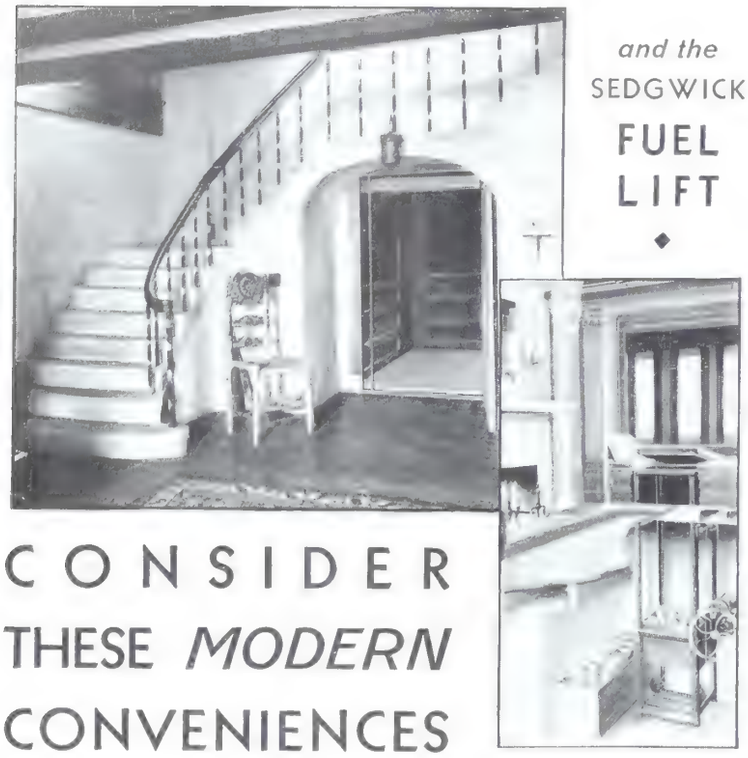
N THIS VERSATILE BROCADE

The dramatic beauty of Shakespeare's "Tempest" inspired this Schumacher brocade. In heritage, in texture, in subtle coloring — it is a worthy component of many distinguished decorative schemes . . . as traditionally true as productions of Schumacher looms must be! Send for complimentary booklet "Fabrics — The Key to Successful Decoration."



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WHILE elevators have long been considered essential for apartment houses, more and more are people realizing the advantages of an elevator in their own residences. This is particularly true where some member of the family is prevented by age or illness, or other disability, from readily climbing stairs... or perhaps the doctor has warned against stair climbing.—If such a condition exists in your home, it would be advisable indeed to consider the Sedgwick Individual Elevator. It is precisely counterbalanced for the weight of some one individual, so it is surprisingly easy to operate. It costs much less than expensive power-operated equipment and is free from maintenance charges. It is easily and quickly installed without marring attractive interiors and requires little space. Users are most enthusiastic in their expressions of satisfaction.

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Then there is the Sedgwick Fuel Lift, which brings the fuel right close to the fireplace. A modern residence without an open fireplace is a rarity, yet many fireplaces remain unused because it is so inconvenient and laborious to carry coal or wood or logs from the cellar, through the house. It also means dust and dirt on floors and rugs. The Sedgwick Fuel Lift is popularizing the open fireplace.

◆

Let us tell you more about these two wonderful conveniences. We suggest you write for booklets, or if you prefer, you can consult with your architect.

And let us tell you about the new Sedgwick Deferred Payment Plan, that makes it possible to provide for these conveniences out of future income. Special leaflet on request.

SEDGWICK *Dumb Waiters - Elevators* FOR ALL PURPOSES

Sedgwick Machine Works
146 West 15th Street New York, N. Y.

Various Types Of Incinerators

(Continued from page 78)

The built-in-the-chimney type is usually self-burning, though bottled gas may be used if greater speed and efficiency are desired. The minimum size of flue for the passage of rubbish and the carrying off of smoke and gas is twelve by twelve inches. Improvements in the details of construction make this a highly desirable addition to the well-ordered house.

Here is an old established company—the manufacturers of incinerator "C". They, too, have developed to a fine point of perfection both the self-contained portable type and the built-in-the-chimney models. The former is constructed of heavy sheet steel and cast iron, with porcelain enamel sides in two sizes. It is fired with bottled gas, the bunsen flame lighted by a pilot. The pressing of a button starts the incineration; an automatic shut-off extinguishes the flame when the burning is accomplished.

FOR NEW HOMES

[illegible] other than the waste fed through a convenient hopper on the first floor. [illegible] especially recommended for the new home, or one where a large chimney flue near the kitchen is happily available. Where this is not the case, the basement-fed installation may be substituted. This is similar in construction, but waste is deposited through a silent, self-closing, feeding door in the upper part of the brick combustion chamber at a convenient height for dropping. This company guarantees permanent satisfaction in its installation through supervised construction and periodic inspection.

Incinerator "D" is another splendid [illegible] both in portable and built-in types. Gas may be used as a fuel if the trash [illegible] only part of the house equipment. The portable type requires very little space and can be connected to the existing chimney through a seven-inch pipe. This convenient [illegible] can be operated continuously without heating the cellar, and reduces two bushels of trash to ash at each burning.

With the built-in incinerators made by this company, either the chute, or door-fed arrangement may be chosen, depending on the location of the chimney and the size of the serving flue. The flue may empty into the furnace chamber, either in the front or rear, and if the cellar-fed type is chosen, the large guillotine front door permits easy firing of refuse from the incinerator floor. These incinerators come in a wide choice of sizes and may have gas burners if desired.

Considerable latitude is possible when incinerator "E" is the make chosen. The portable type may be fired with gas or by its own power, using only the waste as fuel. It may be installed in the basement with a service hopper in the kitchen, connects into the boiler flue, and comes in three sizes.

If gas is used, two burners carry the flame over the top of the grate through the mass to be consumed. A clock device controls the gas automatically.

The built-in-chimney type, too, has variations to suit all purposes. The brick chamber, like those with other [illegible] of this type, is constructed at the base of the chimney. The receiving hopper is located in the kitchen. A special gas burner may be installed, protected by specially formed brick to completely dispose of all damp material. This gas need be used only in emergency when the trash contains large quantities of moisture. Otherwise, it will operate on its own fuel.

Then, this company can also furnish a type which burns coal, wood, or charcoal. Where bottled gas has not been included in the home equipment, this makes a superlative solution of the trash problem.

Still another long-established company is the builder of incinerator "F", a self-contained cellar unit which can also be installed out-of-doors. This comes in various models, excellent for the large home. Refuse is fed through a large door in the front, and coal or wood may be used as auxiliary fuel.

A simple yet efficient incinerator is "G" made of casting and steel plate, with a two-bushel capacity only. This requires no gas, consuming its rubbish from the top down, with only the aid of the ingenious construction which makes for a constant air circulation.

Still another variation in convenience is furnished by incinerator "H", a self-contained, portable unit, which operates as easily as a kitchen stove automatically controlled. While this is fed from the basement, a unique feature is the trash chute from the kitchen to the basket located in the cellar. An automatic device warns when it is time to go to the cellar and empty the basket into the incinerator.

Incinerator "I" is a unique development of the portable type. Installed directly under the kitchen, the feed door is placed in the kitchen floor. By sliding this door with the foot, the trash or garbage is deposited into the tube leading to the combustion chamber. Then the lower door opens, deposits it into the incinerator itself, and the door automatically comes back.

Gas may be installed, if desired, in this model. The entire combustion chamber, grate, top, bottom, door and burner are of cast iron, held rigidly by steel framework. No extra flue is required.

FOR THE LARGE ESTATE

The manufacturers of incinerator "C", mentioned above, have developed an out-of-door model especially designed to consume the varied forms of waste characteristic of the large country place. This incinerator is a brick enclosed chamber with a waterproof roof and brick or steel chimney. The ingenious construction permits of burning wet or dry refuse, using wood or coal as a supplementary fuel if the amount of rubbish is not sufficient for the complete incineration of wet garbage. Cans and bottles are flame sterilized and later removed with the ashes. It operates continuously and both wet and dry rubbish may be fed while it is burning.

Two sizes and several models are offered for choice, and the layout is made by the company's representative who advises on which type best fits into the purchaser's local conditions.

(Continued on page 98)

Linen Damask is GENIAL at Dinner



ROSES

Here is a fresh, modern treatment of the rose, symbol of happiness and festivity. Ever since Linen Damask first was made, the rose has been a motif in dinner cloth design. Now roses in this modern interpretation border this new cloth in gracious opulence.

ON THE dinner table, Linen Damask is friendly as candle-glow—serene as twilight. When the cares of the day are at their ebb, hospitality sparkles with laughter and shines with peace. Linen Damask creations by Irish and Scottish craftsmen offer many patterns, designed especially to enhance the genial atmosphere of the dining room at dinner.

Many lovely designs in Linen Damask for all occasions are pictured in a new booklet—*"New Beauty in Linen Damask Tablecloths."* Send ten cents to cover mailing, addressing Dept. VC-1, The Irish and Scottish Linen Damask Guild, Inc., 260 West Broadway, New York.

LOVELY LINEN
DAMASK TABLECLOTHS & NAPKINS
impressively correct

SEE THE NEW IRISH AND SCOTTISH WEAVES AT LEADING STORES

How they grow

EVEN IN WINTER!

THE GENERAL ELECTRIC SUNLAMP GIVES THEM THE BENEFICIAL *ultra-violet* OF THE MID-SUMMER SUN



Of course you've noticed how the children *grow* in summer sun.

Sunshine floods their skin with ultra-violet radiation. This tends to develop Vitamin D potency. Young bodies retain and use more mineral salts. Bones grow stronger... teeth sounder.

In midsummer, sunshine is richest in ultra-violet—in winter, *only about one-twentieth as rich!* The General Electric Sunlamp gives you the ultra-violet benefits of June sunshine *any time!*

But *winter* sunlight slanting a longer course through clouds, smoke, fog, loses most of its ultra-violet. It's devitalized!

But *your* children can have the beneficial ultra-violet of June sunshine . . . *all winter* with a General Electric Sunlamp.

Attach its cord at any ordinary A.C. 60 cycle, 110-v. lighting outlet. Let the children bask in its broad beam a little while each day. Like playing on the beach!

The General Electric Sunlamp is good for the whole family... promoting health and well-being. See the four handsome bronze or ivory-white models at any General Electric Sunlamp dealer's TODAY.

Let us tell you more about "indoor sunshine" as an ally against cold, as a "vitalizer" for sun-starved office workers, as a benefit to mother as well as child.

PRICE $69.50

Section LG-112A,
Merchandise Dept.,
General Electric Co.,
Bridgeport, Conn.

Tell me more about the General Electric Sunlamp.

Name .....

Address .....

GENERAL ELECTRIC
SUNLAMP

Various Types Of Incinerators

(*Continued from page 96*)

He may suggest that it be installed in a hollow on a hillside, or out in the open. The construction is supervised, employees instructed in the use of the incinerator, and periodic inspection made to see that it is operating with greatest efficiency. The parts are supplied knocked down, by the manufacturer, and the erection is usually done by a local mason.

A still more elaborate model put out by this same company provides the most superlative design and workmanship. These incinerators are an adaptation of the industrial incinerator. They are built by the company's own manufacturers, of special brick made to their own formula; the frame is of steel. The company's representative gives full coöperation in selecting the correct type for individual needs.

The manufacturers of model "D" also make a splendid outdoor model. Their equipment consists of an angle-iron frame, grates, doors and the services of a competent supervisor at the time of installation. The frame is backed up by a local mason, according to drawings which they supply. This firm has used a rubble stone treatment on the outside of its incinerator, to harmonize the appliance with its surroundings. The interior parts are scientifically constructed to consume wet and dry rubbish thoroughly and quickly. Wind, contour of the ground, view, etc., are all taken into consideration when the location is determined.

An unobtrusive and inexpensive, yet effective incinerator is model "J", in appearance not unlike an ordinary ash-can, with cover and screened chimney. Alternate layers of dry garden trash or other burnable material and wet kitchen waste are placed in the capacious can, which may be had in from 4½ to 8⅞ bushel capacity, the latter large enough to serve a really large home. When the burner is filled, a match is touched to the contents and it is allowed to quietly burn itself out.

Model "K" is similar in construction and comes in three sizes. As an improvement on the out-of-door bonfire, these small conveniences have much to commend them, and while they will naturally burn out in time, they are highly satisfactory.

Ernest Henry Wilson. 1876—1930

(*Continued from page 50*)

upon him. The Victoria Medal of Honor, the Robert White Medal, the Geoffrey St. Hilaire gold medal—three out of a hundred awarded him—a Master of Arts from Harvard, and a Doctor of Science from Trinity, are only a few of the expressions of respect and admiration granted the man.

Scarcely a fine garden in America or England but is richer for his discoveries, for the beauty that is found in the Davidia Tree, Cornus Kousa, the Regal Lily, the Tea Crab, the Beauty Bush and a score-odd of new Honeysuckles, Spiraeas, Deutzias, and Cotoneasters. No generation can measure the fruit of such discoveries, for long after this generation is dead and gone, their beauty will be renewed each year.

Coupled with his genius in exploration and botany, we of HOUSE & GARDEN point with pride to his writings. A careful author, possessed of a magnificent memory, an enthusiasm and a love of plant material that were yet restrained to an accuracy of expression that made his judgment positive and lasting, his writings will long live both as text books and as popular studies. His first book, *A Naturalist in Western China*, appeared in 1913. His last, made up principally from his writings in HOUSE & GARDEN, was published in 1930 under the title *Aristocrats of the Trees*. Nine other volumes stand as garden classics of America. A series, of which the article in December HOUSE & GARDEN must be the last, waited to be combined in still another book on the subject of *Trees and Shrubs for Various Purposes*.

Wilson's capacity ended not with plant discovery, but to the last his very articles in HOUSE & GARDEN indicate his desire to "follow through" so that his discoveries might find a place in every garden. Thousands of readers of HOUSE & GARDEN who have written him for advice and for sources of the material he so splendidly described have seen the expression of the practical nature of his life. The nurserymen of America have felt the effect of his leadership and in years to come will sense even more definitely the fruit of the effort he expended in making the taste and beauty of the material available for American gardens.

When Mr. Wilson first began writing in HOUSE & GARDEN in 1924, a mere handful of the plants of his discovering was available for American gardens. Growing numbers of them today are listed for your purchase. Of the Regal Lily, for instance, one grower reports that he has sold 50,000 bulbs and is now growing 1,500,000 seedlings. It is impossible to give a figure of the total number of bulbs of this beautiful Lily that have been planted in American gardens. One nursery has sold over 100,000 Beauty Bush (*Kolkwitzia amabalis*) and is today growing many more.

Upon Ernest Wilson his honors rested lightly. He was too busy spreading a love of trees and plants to think of honors, too busy widening the circle of his friends the world over. A big man, physically, he had a rugged stocky exterior, a twinkling eye and a great capacity for comradeship. Men at once admired and respected his learning and experience, and their admiration soon grew to warm affection. Those who truly loved the trees he loved were his friends. His best memorial is in them—in those trees and shrubs and flowers that he brought back from the hinterlands of the world for the garden's adorning.

"He shall be like a tree planted by the rivers of water, that bringeth forth his fruit in his season; his leaf also shall not wither; and whatsoever he doeth shall prosper."

—RICHARDSON WRIGHT

"It took us a year and a half to get this* right"

★Schrafft's Chippendale Assortment. Small, delightful pieces with choice centers of fruits, nuts and delicacies.



Emily Post says:



WHAT IS THE SMARTEST WAY TO SERVE CANDY AT A BRIDGE PARTY?

"Candy is usually left in the box in which it was bought except when it is to be eaten at the dinner table. After passing it to her friends, the hostess leaves the box with its lid open on a near-by table, so that people can help themselves.

"Perhaps the smartest way to serve candy at a bridge party, is to put it in boxes of glass, china, or chromium steel. On small tables set between each two players place one of these boxes filled with assorted candies. Choice of varieties depends upon personal taste. The one requirement is that they be not sticky and not too large."

Searching the odd corners of the earth for the finest ingredients ~ ~ ~ tracking down certain elusive flavors we knew to be hidden in certain candy recipes ~ ~ ~ watching people's eyes gleam over pieces they particularly liked in the Schrafft stores. A year and a half of this ~ ~ ~ and then we put this choice Chippendale Assortment together. That is the Schrafft way.

SCHRAFFT'S

Chocolates and Selected Candies

W. F. SCHRAFFT & SONS CORPORATION ◂ *New York and Boston* ▸ OWNED AND OPERATED BY FRANK G. SHATTUCK COMPANY

THESE DAYS . . . MORE THAN EVER



WATCH YOUR HUSBAND

Days of business tension . . . market calculations. Days and nights of nervous strain, unceasing worry. Now, more than ever, watch your husband. Where worry fails, a winter respite wins. Sail away on a colorful, restful cruise by *White Star* or *Red Star Line* . . . with your husband.

MEDITERRANEAN CRUISES

by *White Star Line* in cooperation with Thos. Cook & Son.

HOMERIC

The *Cruise Supreme* on the *Ship of Splendor,* Jan. 24, 45-57 days, $850 up, 1st Class. $454, Tourist Third Cabin. Calling at points of principal interest, including Algiers, Naples, Athens, Istanbul, Holy Land, Egypt, etc.

BRITANNIC

Also the great new motor liner *Britannic,* sailing from New York January 8, 46 days, $750 up, First Class. $420, Tourist Third Cabin. All Mediterranean Cruise rates include complete shore program.

WEST INDIES

12 to 19 days—brilliant itineraries, including Port au Prince, Kingston, Colon, Vera Cruz, Havana, Nassau, Bermuda—***Britannic*** (in cooperation with Thos. Cook & Son) and ***Lapland*** during February and March. $123.50 up. *The only cruises to visit Mexico.*

Write to Desk F, No. 1 Broadway, New York, for the free booklet, "Watch Your Husband." Cruising about four to ten days. 50 principal offices in the United States and Canada. Authorized agents everywhere.

WHITE STAR LINE
RED STAR LINE

International Mercantile Marine Company

Recent Developments In Building

(Continued from page 83)

We may blow electric lights on or off, open doors, operate elevators or perform any other task with this gadget. It can render numerous services to the invalid. For the experimenter it has all the possibilities possessed by photo cell, thyratron and the other radio by-product tubes.

PIPE COVERING

PROVIDING a high degree of insulation against heat losses as well as protection against freezing, a mineral felt pipe covering has a steel jacket which can be lacquered or painted any color to match surroundings. For steam or hot water pipes, this material will conserve fuel, improve heat distribution and enhance appearance.

The thermal efficiency claimed for this covering is double that of 85 per cent magnesia and six times that of asbestos cement. It is fire and vermin proof, it can stand repeated contraction and expansion, it is non-absorbent and does not mould or rot. It has a long life with little or no upkeep; it is installed very quickly.

The steel jacket, with seam of interlocking flanges, makes for quick application and a sanitary finish, a trim job that requires no canvas wrapping or pasting. Pipe bands cover the joints and lock the sections together. Sections are 18 inches long. This covering is made to fit pipe up to six inches in diameter.

For insulating boilers and water heaters, blocks of this mineral felt may be obtained. These are pliable and will conform with all curves. Thermal changes will not crack them. There is no waste, as various sizes are made, or a combination of sizes may be used to readily take care of any size furnace or heater.

HUMIDITY CONTROL

AN instrument designed to automatically gauge and control air moisture, just as a thermostat gauges and controls heat, is an exclusive feature of an air conditioning equipment designed for homes. This control can be set for any desired relative humidity and, we are told, will maintain that humidity with a variation of less than three per cent plus or minus.

This instrument, and the equipment of which it is a part, is interesting because no subject of contemporary living is receiving as much attention as that of proper humidity in dwellings. Bodily health and comfort provided by air that is controlled as to heat and moisture is the chief appeal of this unit. Recirculation of air, and air washing with consequent elimination of dust and germs, are other desirable features.

In operation, air is driven over a surface of water in sufficient volume so that it takes up its required moisture and releases its dust and odors. Heat evaporates the water. A fan and a motor recirculate the air. Automatic operation of motor and fan, coupled with automatic regulation of water flow, produces an evenly controlled moisture content of the air. This conditioner is designed and constructed for use with vacuum-steam, hot water or one or two pipe systems. The manufacturer recommends that it be located in the first floor hall; it may be recessed.

The cabinet which houses the unit may be finished in any desired hue. Water at the rate of 12 pounds an hour can be evaporated. Motor will not interfere with radio reception; it operates on the usual house lighting current. The aluminum disc fan is noiseless and delivers 150 cubic feet of air per minute. Current used by motor and solenoid valve, which controls water flow, is less than that used by a 60-watt lamp. Oiling is done once each heating season. A special control synchronizes the action of the conditioner with a thermostatically controlled furnace or boiler.

CENTER HINGED WINDOW

PLEASING and symmetrical, yet durable and strong, there is a window of solid rolled steel or extruded architectural bronze available for the better residences, which opens from the sides, bowing outward at the center. Guaranteed to operate smoothly, easily and noiselessly, yet tested and found to be wind, weather and dust tight under 140-mile wind velocity, all parts of this fireproof window are easily accessible for cleaning or painting from the inside.

These units provide ventilation without drafts because of the center hinging of the sash from top to bottom. This ventilation is accomplished by bowing the sash open to the extent of a catch hook attached to the center upright. It gives a fresh air intake at the bottom and an exhaust opening at the top, with no opening at either side, so forming a flue; the escape of stale air at the top creates a partial vacuum which draws fresh air in at the bottom.

Weather stripped at the factory, there is no metal-to-metal weathering contact, all contacts are metal to felt; this prevents cold drafts, dust or odors from entering and heat from leaking out. When equipped with stops—a special locking device—the sash may be opened only to a fixed point, so preventing children from falling out and undesirables from entering. Window guards and heavy grilles are not needed.

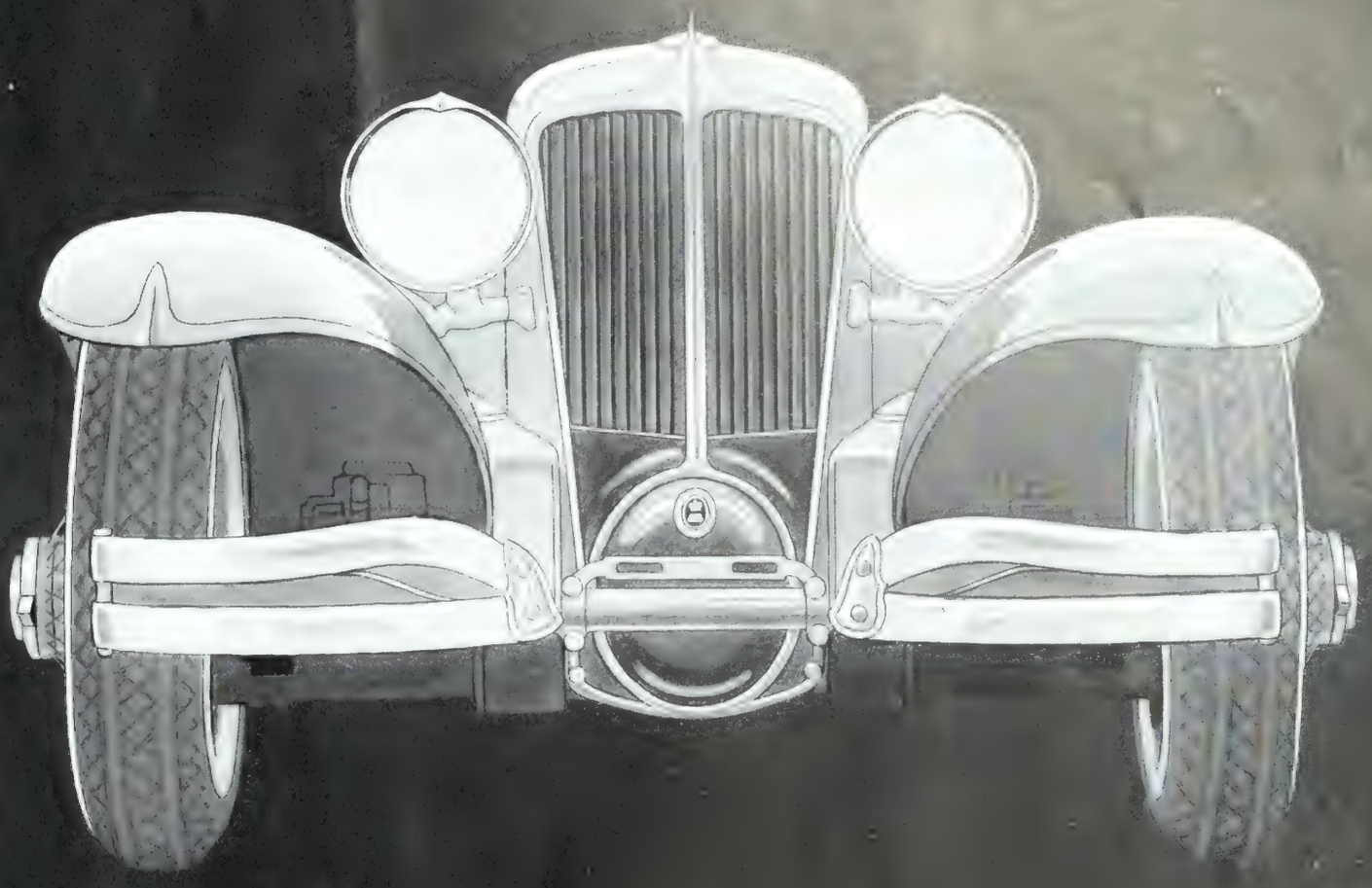
Where severe weather conditions make double windows necessary, in-swinging casements on the inside may be used. Rolling type or in-swinging screens are easily applied. Draping presents no problem.

The windows may be in groups of one or more pairs of sash. They require no special skill for setting and are readily glazed; hardware is furnished. Sash are continuous from sill to head with no light obstruction by horizontal meeting rails. There is no track mechanism to accumulate dirt or water, no weight boxes to invite drafts, no pulleys or weights to get out of order.

Sash may be opened to any desired angle. When catch handle is turned sash may be pushed partly open; a slight pull at the edges of the sash toward the center, opens the window to full extent. Pushing edges of sash away from the center brings the

(Continued on page 102)

CORD FRONT DRIVE



Also Exclusive in Safety

SAFETY should outweigh all other considerations in the selection of your vehicle for personal transportation. Even comfort, both mental and physical, is dependent upon SAFETY. Body styles, the number of cylinders and all other features become mere details when compared with the outstanding need for SAFETY. Because it is structurally different from all other cars, the Cord front-drive offers exclusive SAFETY advantages. These priceless advantages are appreciated most under adverse road conditions when the need for SAFETY is emphasized. These advantages result from a combination of low center of gravity, the fact that the Cord is *pulled* instead of *pushed*, amazingly easier steering, less driver-effort, surer control, and better roadability. In exact ratio as you value SAFETY you owe it to yourself to inspect and drive the new improved Cord and learn from experience why its advantages are obtainable in no other automobile.

SEDAN · BROUGHAM · CABRIOLET · PHAETON SEDAN Prices F. O. B. Auburn, Ind. *Equipment other than* [illegible] Auburn Automobile Co., Auburn, Ind.



EARLY ENGLISH FIREPLACE

TUDOR MANTELS . . .

In Art Stone

FEW homes today are complete without a fireplace, for the hearth is truly the heart of the home. The lovely grace and beauty of an Art Stone Mantel with the cozy warmth of an open fire reflect an atmosphere of luxurious comfort resplendent with charm. Nothing does contribute so much to the embellishment of the home as the mantel.

The texture, color, durability, beauty and finish of Art Stone Mantelpieces are equal in every way to that of natural stone.

Period and modern designs.
Modest in cost. Easy to install.

Art Stone Mantelpieces

In All Periods

LOUIS GLEE ARCHER P. WINDOLPH

JACOBSON MANTEL & ORNAMENT CO.

322 East 44th Street New York, N. Y.

Recent Developments In Building

(*Continued from page* 100)

handle within easy reach for closing and locking. Hinged or fixed transoms are available, as are round or square heads, and any desired arrangement of muntins.

BRONZE STEEL BUTTS

CAST bronze butts, commonly referred to as hinges, are now made with steel bushings at all bearings. They offer the owner the rust-resisting quality of bronze with the durability, under constant wear, of steel. Screws supplied are bronze and the steel pin is bronze plated.

These butts are fabricated so accurately that the tolerance of variation is but three one thousandths of an inch. This insures even bearing at all friction points or, in other words, doors that function smoothly year on end. For exterior doors more than one and three quarter inches thick, ball bearing butts should be used. Doors over seven feet high, or even a little less, need three butts, the third not so much for carrying capacity as to prevent the door from warping.

You may be interested to know that a hinge is screwed to the face of a door or shutter, while butts are screwed to the butt-edge of door or window and

SMARTER KITCHENS

IN the kitchen, a pleasant, colorful [illegible] accomplished if table top, work tops of cabinets and dressers, window sills, baseboards and wall paneling are of a synthetic material now being offered. But its use is not limited to the kitchen. In living room it may appear as fireplace facing, window stool and as a top for tables. A wainscot for breakfast room or basement den, as a wall finish in the bathroom, or as bedroom trim, this product may enter the house through almost any room.

From a lining for loom box-castings in textile mills, and railroad track insulation, where block signals are used, to a finishing material for homes is the transition accomplished by this material made from a resin and fibrous sheets of paper or duck. It is quite likely that the timing gears in your car and certain parts of your radio are also made of it.

There are a dozen finishes including jet black, polished or satin; two marbles, verde antique and Belgian black and gold, five wood finishes, three walnuts, mahogany and oak; solid colors such as red, green, blue and grey, and three art moderne patterns. These are fast to light, and available in high gloss or dull surfaces. Being smooth and non-absorbent, it is sanitary and easily cleaned. It lends itself well to home modernization.

Because it is practically inert chemically, it will not "breathe in" stains and because it will withstand moisture even upon immersion, it will not absorb staining acids or alkalies. It is weather proof and "stays put" no matter how temperatures may vary. Cigarettes and cigars will not burn it. It cannot crack or craze, warp or shrink, and liquids spilled upon it can do no damage. It is immune to alcohol and solvents.

It is as strong as cast iron. It cannot swell; it has elasticity and it absorbs shocks without a ringing vibration. It is supplied in a variety of forms and sizes. In short, it is one of many new building materials we would have thought impossible of production [illegible] years ago.

Questions Readers Have Asked

(*Continued from page* 88)

[illegible] them the more confused I become, so in the end I usually order [illegible] too many items that I don't need, and not half enough of those that I do.

This is idiotic, I know, but what is a poor girl to do? You have helped on my garden problems so valuably in the past that I seem to turn to you in any kind of horticultural misery. Please, please, can you suggest a way for me to escape this annual mental chaos? Just a straw to catch at would be a blessing!

H. W. M.

In the first place, we don't think you're idiotic—merely enthusiastic, which is a good way to be. All you need do is apply a system and stick to it.

If you have made no list or notes of the things you know you want (incidentally, this ought to be compiled from time to time the year through, as you see, hear or think of especially desirable plants), the first step to take is to get yourself a good large sheet of paper and three sharp pencils.

Then take up the largest and most diversified catalog and go through it page by page. When you come upon an item which looks good, write it down on the paper, adding the page number for future reference. Unless the catalog has done it for you, arrange these items under definite headings—vegetables, fruits, perennials, annuals, vines, etc.

When the list is finished you will probably find it much longer than you could possibly manage to take care of. All right—take a fresh pencil and relentlessly cross out everything except what you can't possibly do without. Then copy off the survivors on another sheet and look them up in other catalogs, to see if they are offered elsewhere in finer varieties, quality or at more attractive prices.

The whole problem is one of sensible elimination. It becomes increasingly easy if, year by year, you keep a good notebook based on your actual gardening experiences and reading.

What lies beyond these lips . . . and yours?



Answer: millions of GERMS that threaten colds . . coughs . . sore throat

Perhaps you do not realize that in your mouth—indeed in most normal mouths—live millions of germs. Swiftly multiplying, they strive ever to cause disease.

Among them are the Bacillus Influenzae (influenza), Staphylococcus Aureus (pus), Micrococcus Catarrhalis (catarrh), and the Streptococcus Hemolyticus, germs associated with the common cold.

When body resistance is lowered by wet feet, fatigue, improper diet, or exposure to draughts and sudden changes of temperature, these germs frequently get the upper hand. The common cold, or sore throat, which is a frequent symptom of a cold, follows.

Surely you can appreciate the advantage of using full strength Listerine every night and morning. Listerine, as you know, while delightful and safe to use, is so powerful that it kills germs in 15 seconds (fastest killing time science has accurately recorded).*

Under normal conditions of health, the morning and night gargle with it is deemed sufficient to keep germs under control. When, however, your throat is irritated, or you feel a cold coming on, it is wise to increase the frequency of the gargle to once every two hours.

Listerine used as a gargle actually reduces the germ count on mouth surfaces 98%. But, to maintain this reduction in times of illness, frequent gargling is absolutely necessary.

Always keep Listerine handy in home and office, and in your handbag when you travel.



Gargle Listerine Every 2 hours

At the first symptom of trouble, gargle with it full strength in order that you may get its full germicidal effect.

Remember that Listerine is nonpoisonous and really pleasant to use. It keeps the oral tract sweet and clean, and healthy. Moreover, it instantly ends halitosis (unpleasant breath), the unforgivable social fault. Lambert Pharmacal Company, St. Louis, Mo., U. S. A.

*Listerine is an ideal antiseptic because it is non-poisonous, healing to tissue, but fatal to germs. Even the Staphylococcus Aureus (pus) and Bacillus Typhosus (typhoid) germs, used to test the power of antiseptics, yield to it in counts ranging to 200,000,000 in 15 seconds.

LISTERINE kills germs in 15 seconds

REDUCES MOUTH BACTERIA 98%

Corbin locks
KEEP what
you ACQUIRE

GOOD BUILDINGS DESERVE GOOD HARDWARE

CORBIN



The Corbin Lock: highest development

P. & F. CORBIN SINCE 1849 NEW BRITAIN, CONN., U. S. A.

NEW YORK CHICAGO PHILADELPHIA

Makers of the world's most complete line of builders' hardware

Rock-Bottom Building Costs

(Continued from page 53)

building costs—that a normal proportion of the total investment may be supplied through mortgage funds. Interest rates have not been affected materially. Furthermore, mortgages that are now placed on a conservative basis will run for longer terms and will be less subject to curtailment in later years. An interesting side-light is that speculative building, which normally absorbs surplus mortgage money immediately following a period of depression, will not this year be so active as in former years, and consequently there will be less competition among borrowers for the money that is available.

Opportunity is knocking now in this month of January, but she may not repeat her call in the months to come. Now is the time to act, for prices may not long remain at their present rock-bottom level. The conditions justifying this statement are worth a brief examination.

Every spring shows a normal rise in building activity which usually takes life with the first breath of spring. There is no justification whatever to expect that the spring of 1931 will not show a similar response. But the present months are abnormal. Building supply dealers have purchased very little material during the last six months; each year it does not replace what was purchased previously. The stocks of lumber, cement, brick, building tile, windows and other minor supplies have dwindled through normal absorption for improvement projects, repairs and the few new buildings that have been actually erected. The result is that with the first sign of renewed activity, dealers must replenish their stocks, and as soon as the orders are placed with the manufacturers, it will result in the stiffening of prices. Some of this reaction has already taken place and must be expected every week from now until the building season is well under way.

Two other factors favor immediate rather than delayed action. Building labor is still idle, but it is looking forward to employment in another month or two. Appropriations will be made [illegible] advance of normal activity. This means that common labor can be employed for the necessary excavation work, even through frost, at present prices. Masons will start the foundations before a demand for their services restores them to normal employment conditions. Carpenters, roofers, glaziers, plumbers, painters and all the rest of the trades will be working on a job started in January or February fully a month before they normally would find active employment. The bugaboo of winter construction has long since been laid to rest and need not enter present considerations.

This urgency for immediate action does not imply a sudden and complete return to normal cost conditions as soon as the ordinary building season opens. If the economic recovery of the nation is slow, one may safely expect less than normal costs throughout the coming spring. If the recovery is more rapid in its response to the stimulating efforts applied by President Hoover and the organizations following his lead, it is certain that he who delays will pay for his procrastination by missing entirely his present chance to build at rock-bottom prices.

Full advantage can be taken of the favorable buyer's market only by intelligent buying. Building practices that have proven their sound value in past years are even of greater value today. Quality construction and good design are essential if favorable loans are to be obtained. Plans and specifications should be prepared with exceeding care in order that competitive bids may be accurately figured. Good architectural supervision is more than ever profitable to the owner. But an attempt to buy a bargain do not force the builder to an almost profitless job, for if the builder later has opportunity to take other work that will pay him a little on his time and skill, or if his credit is impaired through lack of earning power, the owner who tries to get something for nothing may be the loser.

Those who take advantage of present rock-bottom costs will not only be benefiting themselves to a substantial degree, but they will be aiding in the most practical way the recovery of national prosperity.

House & Garden's Bookshelf

CHINA MARVELS OF GARDEN. By Ernest H. Wilson. Boston: The Stratford Company.

THIS [illegible] work, of one whose writings were as prolific as his travels were indefatigable and his discoveries in the plant world unsurpassed, sums up explorations, lasting eleven years, of an area exceeding that of the Atlantic States from Maine to Georgia in that part of the world that is most richly endowed in its flora. Even before Mr. Wilson, and to a less degree his predecessors, had brought afresh many of the highly prized trees, shrubs and herbaceous and bulbous plants to the Occident, [illegible] from the Flowery King-

[illegible] favorite plants with the name [illegible] attached throughout in the conception of such terms as "Indies."

Though chief interest is shown in the ornamentals, there is contained in the volume information about vegetables and trees of economic importance that may at some time be [illegible] generally. From two species of a low-growing tree is obtained [illegible] that may become a substitute for [illegible] and which can be converted into excellent lacquers. The fact that the original India paper was a Chinese product suggests possibilities that as yet are being utilized to only a very limited extent.

(Continued on page 114)

Sal a Pattern No. 30877—silver bubbles and
bla modern motifs on a background of Bermuda
Gre —strikes the keynote of the color scheme in
his droom in a Rumson, New Jersey, home. This
s b one of hundreds of Salubra designs to harmo-
niz with every type of interior—Period or Mod-
ern Myers & Shanley, Newark, N. J., Architects.



Photo © AMEMYA

ORIGINALITY *in Texture and Design*

Salubra Wall Coverings give rooms an air of distinction which cannot be achieved in any other way. ¶ The sensationally beautiful patterns which can be had in Salubra—and only in Salubra—represent the high mark in wall covering styles. ¶ Salubra styles are originated in those active style centers—Paris, Berlin and Vienna—cities to which the whole world looks for the exclusive and unusual in decoration. ¶ Salubra not only has national, *but international* distribution. That's why Salubra is able to offer you a choice of 2,000 patterns, covering every taste and requirement, solving every decorative problem. Many are produced under the direction of that famous organization of Continental artists, the Wiener-Werkstaette. ¶ The exclusive feature which makes Salubra washable and fadeless—a special technique of applying artists' fine oil colors on parchment paper—gives Salubra a richly beautiful texture which adds depth and character to color and design—warmth and softness to the walls. ¶ Consult your architect or write us direct. Salubra may be obtained through leading decorators. FREDERIC BLANK & COMPANY, 729 Park Avenue, New York, N.Y., or 24 N. Wabash Avenue, Chicago, Illinois.

Salubra

WON'T FADE WILL WASH

New Homes *for* Old



If you would visualize what may be done with a home growing old, send us a kodak picture or other photograph and let our Service Department make a FREE sketch to show you how it may be modernized most economically. No obligation.

Send for special book which shows a selection from hundred of examples entered in recent modernizing contest. See how sale values were easily increased from two to ten times the cost to modernize. Help your real estate man sell your old home to finance a new one.

For New Work

Weatherbest STAINED SHINGLES
FOR ROOFS AND SIDE-WALLS



WEATHERBEST STAINED SHINGLE CO., Inc.

☐ Inclosed is 10c (stamps or coin) for postage and handling, for Portfolio of Photographs of Attractive Weatherbest Homes, details of Modernizing Service, and Book, "Making Old Houses into Charming Homes."

☐ Send me suggestions and sketch, without charge or obligation, for modernizing my present home.

Western Wildflowers

(*Continued from page 69*)

heart-broken because their accustomed and beloved moraine was not brought along with them.

But *Nil desperandum* is a cardinal tenet of all us gardeners, otherwise our delightful pursuit would lose most of its fascination and zest. So it is great news to learn that my guide and fellow plant-stalker, Darwin M. Andrews, has tackled and solved the problem of acclimation. He wrote me all about it last year, saying among other things:

"Almost all my mountain plants are now propagated here in my Rockmont gardens, from seeds, cuttings, or root divisions. (Wildflower preservationists and others opposed to collected plants please note.) As the altitude of Boulder, about 5,000 feet, is half way between that of the subalpine zone and sea level, everything I've ever grown is practically born acclimated, and the change to eastern gardens from mine is made without shock or growth disturbance of any kind."

I sent him a list and asked for duplicates of my refractory species; and they arrived in time to become established before winter came. All of them, I am glad to say, have flourished and bloomed profusely during the past summer.

As regards those finicky addicts, like those of foreign alpine regions, they [illegible] successfully in the [illegible] who has the knack, [illegible] and means needed to build a real moraine, and the enthusiasm and patience to supply their [illegible] wants. His book on rock gardening by Farrer, Wright, Meredith, Sanders, Correvon and other [illegible] contain all necessary information about moraine gardening. Nevertheless, collectors is equipped with all the qualifications and means of installation, alas, is my opinion, a thankless waste of time, energy and much money to be entertained.

FROM SEED

I have learned several things about the growing of American alpines during the past two years besides the advisability of acclimation for collected plants. One is that their successful culture is a much simpler matter than I, or any other Easterner apparently, has hitherto supposed. For example, let me say from actual experience that it is easier, less expensive and ultimately more satisfactory to grow coveted kinds from seed, although if a quick showing of bloom is desired, those pre-acclimated plants come in handy. As half a dozen or more botanical experts have recently made a business of seed collecting in as many different regions, seeds of about every known species of conspicuously attractive Rocky Mountain and Pacific Coast wildflowers can now be obtained. And the seedlings resulting from a wise selection of their offerings can be depended upon to develop into sturdy, hardy, soon-acclimated and permanently beautiful specimens.

Bear in mind, however, that seeds of plants which grow naturally at high altitudes should be sown in autumn, in coldframes, that the soil should be a 50-50 mixture of coarse sand and peat moss, with just an appetizer, to speak, of ordinary loam; and t the frames should be opened to rece a covering blanket during every sn storm and the surface inside b lowed to freeze hard and often. this will insure free germination following spring. Treatment wi soil sterilizing preparation will vent damping-off.

Among my other important cultu discoveries was the realization t while I had left undone a few th that I ought to have done, I had d an appalling number of things th ought not to have done; so it is strange that there has been no h an many of my supposedly cher victims. Let me briefly confess to of these sins of omission and mission and tell of my efforts achieve absolution, so that you read may heed and profit thereby.

ACID SOIL

Much time and trouble was pended and wasted in the beginni testing soils in a futile endeavor give each species the exact degre acidity or alkalinity that prev and was noted in its natural hab In the finest and best regulated garden in the world—the Royal tanic Garden at Edinburgh—"Heather soil" of Scotland, natur and distinctly acid, is the only used. For lime-loving plants acidity is neutralized by perfect d age and exposure to the element sunshine, rain, frost and snow. W I got home from a European ja this policy was put into effect at o in several parts of the garden, and mountainers that were so thr have rejoiced ever since and prospe mightily.

Another sin of commission actuated by an obsession I had acqui somehow that alpine plants should well nourished. This led me to s them off in a soil containing too m humus, which soon gave them dysp sia, indigestion and yellow jaundic a distressing extent. It did not t very long to diagnose the trou however, and the diet was chang In a mixture of coarse sand gravel, with not more than 10% l mold, the patients quickly regai their appetites and natural color, m making so vigorous a growth t they actually became diffusive.

My most egregious errors, howe were my fatuous efforts to dupli Nature's way of supplying moist up in the mountains and the Andr method of modifying the intense l of the midday sun, at the Boul level. During summer the h Rockies are drenched almost d with thunderous and garrulous do pours, which rarely last more t twenty minutes. They correspond the similar Hawaiian phenome known locally in Honolulu "Liquid sunshine." For two seaso tried to imitate these brief soa with the garden hose. Then, in disg I put the hose away, and the year I went to Europe. All my pl thrived lustily during my absence the customary normal rainfall which we are blessed as a rule

(*Continued on page 108*)



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Western Wildflowers

(*Continued from page 106*)

southern New York. Last year I locked up the hose and went to Colorado once more. Alas! little rain fell for weeks and on my return I found far too many of the alpines shriveled to dry brownness. What to do? I finally decided to sink a sponge under them. So I lifted them from several beds, took off four inches of soil, put in a two-inch layer of peat moss, replaced the soil and reset the plants. Then I applied a top dressing of mixed peat moss and stone chips. The sponge has worked beautifully throughout this year of unusual drouth, with only three good soakings from the hose. The peat moss has held the moisture about the roots and not a plant has been lost in any bed where it was used. Great stuff, that! Incidentally, last winter it was used generously as a protection against alternate freezing and thawing.

The Colorado sun is glowingly hot during midsummer, both in the mountains and among the foothills. In order to temper the heat somewhat my friend Andrews found it desirable to [illegible] this, I foolishly jumped to the conclusion that something of the sort should be done for my plants here in Westchester County. So I put a lot of [illegible] of old General Humidity. It was a [illegible] gumption to make atonement in time [illegible] triumphant a goodly category of novel, charming and tractable garden material that merits a most cordial [illegible] among the treasures of the rock garden and the border. And who among [illegible]

Appended hereto are two lists of Rocky Mountain plants. The first consists of those that are admirably adapted for the rock garden, the second, those that are better suited for the herbaceous border, although I have used several of the latter, with excellent effect, to give height or emphasis where either is desired, in the higher portion of the rock garden. In neither list is there a single species that has not been thoroughly tested in Eastern gardens for hardiness, ease of cultivation and notable beauty. Kinds that have been found at all difficult to grow have been rigidly excluded. So everything listed is confidently recommended and may be counted upon to give satisfaction if careful attention is given to preparation of the soil and other cultural needs.

It should be said, in passing, that there still remain in the mountain fastnesses untold and untried hundreds of lovely flowers, many of them as yet unknown even to explorers; and from them our garden flora may some day be further enriched.

Following the roster of plants the names of several growers and collectors are given. They have all been found perfectly reliable and as they issue catalogs in which informative details as to height, time of bloom, habit of growth, etc., are supplied, together with brief cultural hints, they are well worth sending for.

ROCK GARDEN PLANTS

Allium bracteatum, rosy-crimson; early.
Allium macropetalum, pink; mid-season.
Allium recurvatum splendens, rose; late.
Anemone patens nuttalliana, pale purple; very early.
Aster canbyi, soft pink; summer.
Aster [illegible], rosy crimson; early autumn.
Aster ptarmicoides, bright white; summer.
Calochortus nuttalli, white tinged [illegible]
Campanula parryana, blue-purple; all season.
Cassiope tetragona, pure white; spring.
Cerastium pandu, golden yellow; summer.
Corydalis aurea, bright yellow; all season.
Dodecatheon hendersoni, rose-pink; spring.
Dodecatheon jeffreyi, rose-pink; June.
Dodecatheon multiflorum, pink; May-June.
Dodecatheon pauciflorum, rosy-lilac; May-June.
Dodecatheon philoscia, crimson; July.
Draba chrysantha, yellow; summer.
Draba [illegible], white, summer.
Dryas sundermanni, fine white hybrid; summer.
Epilobium coloratum, rose; summer.
Erigeron compositus, white; summer.
Erigeron macranthus, various colors; summer.
Erigeron salsuginosus, rosy violet; June-July.
Eriogonum ovalifolium, sulphur-yellow, summer.
Erythronium parviflorum, light gold-yellow; spring.
Geranium fremonti, rose or pale purple, summer.
Geranium nervosum, white veined purple; summer.
Geum (Waldsteinia) tuberata, bright yellow; spring.
Gilia aggregata (biennial), scarlet; late summer.
Gilia pulcella (biennial), pink or white; summer.
Kalmia microphylla, pink; June.
Leucocrinum montanum, white, very early.
Lewisia columbianum, white striped pink; summer.
Lewisia howelli, apricot streaked rose; summer.
Lewisia pygmaea, crimson; summer.
Lewisia rediviva, satiny pink; summer.
Liatris ligulistylis, rosy-lilac; August.
Lupinus plattensis, pale blue, dark blue spot on standard; summer.
Malvastrum coccineum, copper red; summer.
Oenothera brachycarpa, yellow turning orange scarlet; summer.
Oenothera caespitosa, satiny-white

(*Continued on page 110*)

A certain house cost $10,000. The heating installation cost $950. It had been estimated at $1,000, including $200 for the boiler. The owner balked at the price and a $150 boiler was substituted. He saved $50.

At the end of the first year the boiler had wasted $50 worth of fuel. The original saving was gone.

The $50 waste continued each year. At the end of 5 years the loss was $200.

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The $50 saving continued each year. At the end of five years the owner had saved $200.

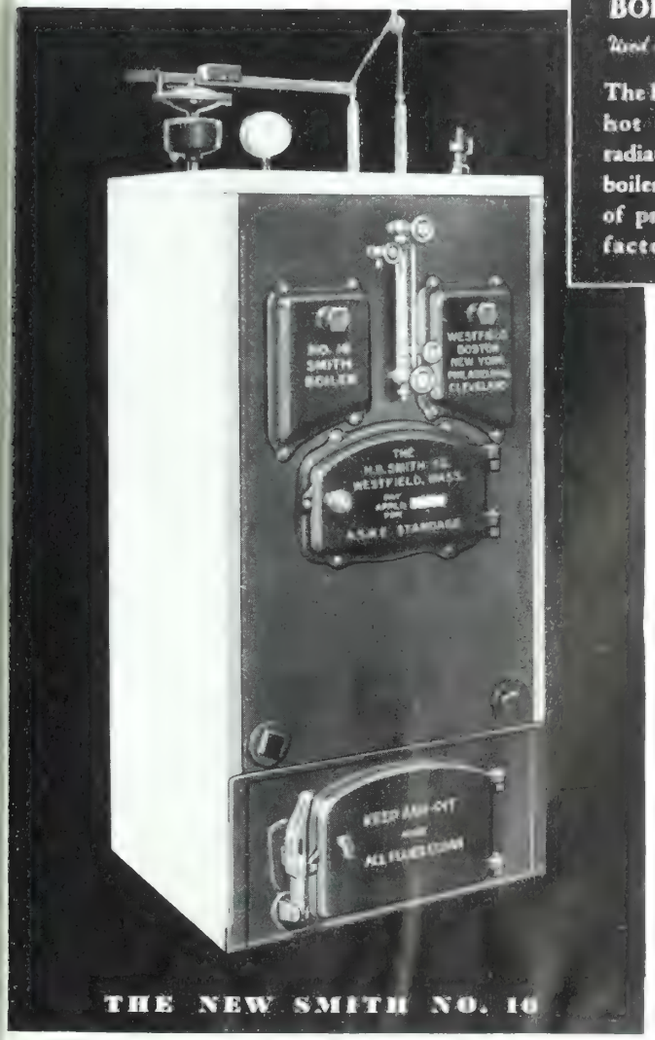
He was actually $200 behind. When he might have been $200 ahead. Or, he was $400 worse off than he might have been. All for a measly $50 saving.

Every year he was an additional $100 worse off. Six years—$500. Seven years—$600. Ten years—$900. Figure it out yourself. All for a measly $50 saving.

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FENCE

CHAIN LINK OR ORNAMENTAL WROUGHT IRON

Western Wildflowers

(Continued from page 108)

turning rose; summer.
Oxytropis campestris, pinks and purples; July.
Oxytropis lamberti, bright crimson; summer.
Pentstemon albidus, very dwarf white; summer.
Pentstemon azureus, deep blue; summer.
Pentstemon azureus alpinus, sky blue; summer.
Pentstemon eatoni, crimson; summer.
Pentstemon glaber venustus, rich blue; summer; fine border plant.
Pentstemon halli, purple-blue; summer.
Pentstemon humilis, intense blue; summer.
Pentstemon rupicola, cherry-red; summer.
Pentstemon speciosus, blue; summer; fine for border.
Phlox adsurgens, pink; spring.
Phlox kelseyi, white; spring.
Phlox multiflorum, lavender; spring.
Polemonium carneum, cream flushed pink; June.
Polemonium confertum, intense blue; summer.
Polemonium pectinatum, China blue; summer.
Primula angustifolia, deep pink; July.
Saxifraga bronchialis, white spotted crimson; July.
Saxifraga rhomboida, white; early.
Sedum stenopetalum, golden yellow; all season.
Senecio fendleri, golden yellow; summer.
Smilacina amplexicaulis, blue; spring.
Smilacina stellata, white; early spring.
Tradescantia occidentalis, white flushed lilac; summer.
Tradescantia scopulorum, azure blue; all season.
Trollius albiflora, pale yellow; spring.
Trifolium dasyphyllum, pink; July.
Trifolium parryi, crimson-maroon; summer.
Yucca coloma, dwarf white; summer.
Zygadenus elegans, waxy white; summer.
Zygadenus gramineus, creamy white; summer.

HERBACEOUS BORDER PLANTS

Abronia fragrans, pure white, fragrant; July-August.
Aconitum autumnale, deep blue-purple; October.
Aconitum columbianum, blue; early summer.
Aconitum fischeri, bright blue; September.
Apocynum ambigens, pink bells, fragrant; summer.
Aquilegia chrysantha, yellow; all season.
Aquilegia hybrids, "Rainbow blend," all colors; June-July.
Heleanum hoopesi, orange; summer.
Lepachys columnaris, rich yellow; summer.
Lepachys pulcherrima, mahogany-red; summer.
Linum lewisi, pure blue; summer.
Mertensia lanceolata, blue; June-July.
Mentzelia decapetala, glistening white; summer.
Salvia azurea, bright blue; September.
Salvia pitzeri, dark blue; October.

NOTE—*The names of firms or individuals from whom the foregoing species may be obtained will be furnished upon application to House & Garden's Reader Service.*

Painted Wall Finishes

(Continued from page 56)

surface, and has dried, the second is put on in the same fashion, etc. Considerable experimentation must, of course, be carried on by the amateur painter before he is ready to begin a spatter finish on his walls.

During the past few years a number of new materials have been introduced which make the problem of textured finishes less difficult. These materials may be applied directly over any ordinary plaster or wall board wall that has been properly prepared, and with them, designs, textures and innumerable color effects may be secured. Just as the stippled and scumbled finishes help in hiding cracks or other imperfections, so do these plastic materials add to the perfection of the surface in an even greater degree. A picturesque room from the English countryside or a room reminiscent of the warm colors and rough textures of the Mediterranean is equally simple to copy with the aid of plastic finishes.

Special paints are used for stenciled decorations, and usually they are of a semi-transparent nature rather than opaque. Care must be exercised in the selection of designs and in their position. It is well to mark the wall with white chalk to assure proper spacing, removing the chalk after the stencil has been applied.

Glazed finishes are frequently used over textured or polychromed walls. The glaze gives the wall a smooth, sealed surface.

Enamels and glossy paints, while not frequently used for ordinary wall decoration, are indispensable for wall surfaces that require frequent washing. Enamel is also ideal for woodwork.

Woodwork and floors are of equal importance with the walls in establishing the character of any decorative theme. What finish the wood shall wear is greatly dependent on the desired ensemble, as well as on the grain and texture of the wood itself. It is well to keep in mind that sharp contrasts of color for trim and walls tend to outline each feature and consequently cut up the room and make it appear smaller.

Whether paint, enamel, stain, shellac, varnish or wax is applied, it should be over wood best suited to their use. This holds true for floors as well as for trim and other woodwork.

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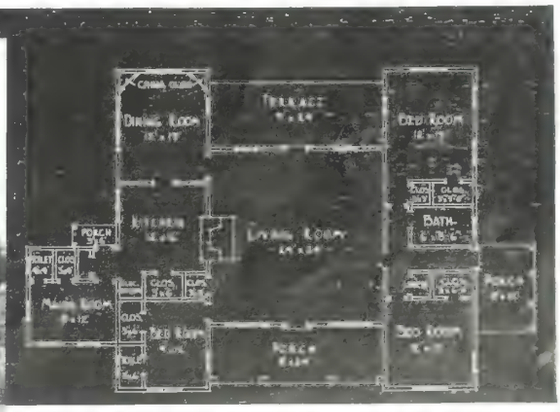
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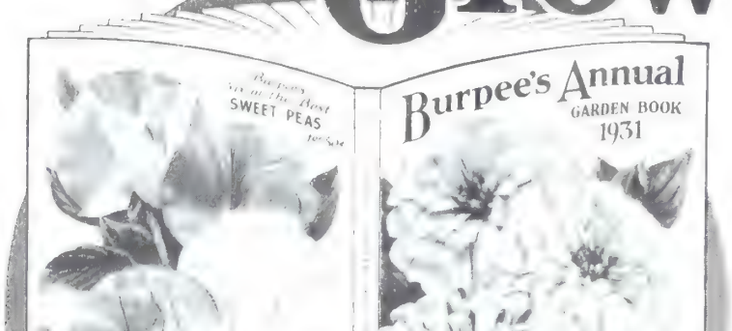
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Clove Gilliflowers Of Long Ago

(Continued from page 71)

odours." Parkinson in his great "speaking garden", his *Paridisi in Sole* (1629), devotes several pages to Gilliflowers, and the illustrations therein show them to have been almost as richly many-petaled as those we admire today. Thomas Lawson, that fine old gardener of the 17th Century, who wrote of his flowers in such a delightfully human way that his little book, *The Country Housewife's Garden*, makes enchanting reading today, admired Gilliflowers extravagantly, calling them the king of flowers "(except the Rose)" and "the most pleasant to sight and smell."

By the time John Rea began to write (1665) the Carnation Gilliflower was securely in the grip of the florists who were turning out innumerable varieties with great rapidity. Rea's *Flora* was the first important book to treat flowers from the standpoint of their beauty alone; of their medicinal properties, that loom so large in earlier writings, he says little or nothing. If I were going to make a truly old-fashioned garden I should use Rea's book as a guide. But Rea was a practical florist and though he loved his flowers he cared more for their commercial value than that they should [illegible]. He was the forerunner of those florists who put bulbs under infinitesimal points and bred flowers [illegible]. He emphasizes the sweet-breathed Gilliflower in their hands [illegible] than mere [illegible]. Rea published lists of Gilliflowers, which he called Jack Bowers, or *Caryophyllus vulgaris*, and says that the best must [illegible] "well shaped, flaked, or powdered upon white, or blush with [illegible]."

CONTINUED POPULARITY

Apparently the popularity of the Carnation as a florists' flower never suffered a relapse from those early days to our own. Innumerable treatises have been written on its culture and great rivalries have [illegible] in connection with it. It was in 1856 that the First-class Certificate of the Royal Horticultural Society was instituted and it was won by a Carnation [illegible] Hybrid Hero, raised by Charles Turner of Slough.

Today Carnation Societies exist in most of the flower-growing countries of the world and Carnation Shows are of regular occurrence, while the sweet, gay flowers are grown literally by the million for the market. In old days the Carnation was accounted no less worthy than the Rose, no less beautiful than the Tulip, and undoubtedly it still holds its own with these worthy rivals. It has the advantage of being comparatively inexpensive to grow commercially and happily for us who are somewhat weak in what old Bodley called "purse ability", Carnations may usually be purchased at a comparatively reasonable price.

In England and on the continent Carnations are made much of for use in gardens, but in America we seldom see them adequately dealt with outside of greenhouses. There are special strains of hardy or border Carnation to be had and they make the most lovely beds, blooming the summer through and furnishing innumerable bouquets whose sweetness is unrivalled by anything the garden can produce. For this purpose they should be started under glass, that is, in a greenhouse, a hot bed, or even in a sunny window in seed pans or flats, not later than the end of February, somewhat earlier if possible. The soil in the pans should be a compound of good fibrous loam, [illegible] earth, wood ashes or lime and a liberal amount of lime rubble and sharp sand—in other words a light, sweet, nourishing mixture. Do not use leaf mold or peat moss, which are anathema to Carnations, unless well limed. The seedlings will require ample ventilation and are never to be subjected to a very high temperature. When large enough to handle prick them out into small pots and when the central growth begins to get tall pinch it out to induce a bushy growth. Do not over-water but occasionally [illegible] the foliage to keep it clean and fresh.

SETTING OUT

When settled weather arrives the seedlings may be planted out in a bed much like that in which they were raised, with perhaps a little more richness, but bearing in mind their intolerance of leaf mold or any acid forming substance. Their situation should be open to the sun, sheltered as possible from high winds, but never hedged about or overhung by hungry shrubs or trees. Light, air, sweetness, drainage and a fat soil are their needs. They will come into bloom in July.

A number of great names have made their appearance in the Carnation world in recent years in connection with these border varieties. The best known is probably that of Mr. Mc[illegible] Allwood, whose strain known as *Allwoodii* is the result of crosses between perpetual flowering Carnations and the garden Pink. They are hardy, [illegible] the winter and display many rich colors, but they are not as fine in form as the beautifully finished creations of Mr. Herbert, nor as brilliant as those of Mr. Maurice Pritchard of Christchurch, some of which are said to have the blood of the lovely, if crotchety, *Dianthus alpinus* coursing in their veins, not as richly fragrant as the famous "Clove" of Mr. Douglas.

There are numerous other strains that will be found satisfactory. I am particularly fond of the old brilliant scarlet Grenadin Carnation which yields masses of lovely fragrant blossoms of a truly grand color, a large proportion, as with the other strains coming double, and richly spiced as to fragrance. The Marguerites too are charming, being especially generous with their fringed, many-colored double blossoms. The Grenadins are perennial, but in severe climates are best carried over the winter in a cold frame or potted up for the greenhouse. The Marguerites are annuals good for one season only.

While the border Carnations are less perfect from the point of view

(Continued on page 114)

THE GARDEN MART

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ARDEN GUIDE. A complete handbook for the mateur gardener. Over 50,000 copies sold throughout the United States and Canada. Has wonderful apters devoted to the Flower, Vegetable and ruit gardens with practical layouts and planting lans. In fact, it is a veritable Treasury of nowledge, covering every step from pading the ound to preserving the harvest. 388 pages. 275 llustrations, cover in Spun-o-lone binding, $1.65 ostpaid. Descriptive catalog free on application. T. De La Mare Co., Inc. Dept. S, 116 W. 13th t., New York.

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Gardening, 1931

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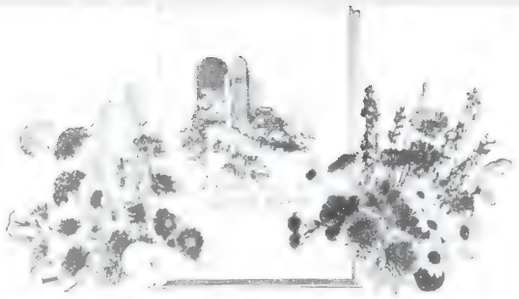
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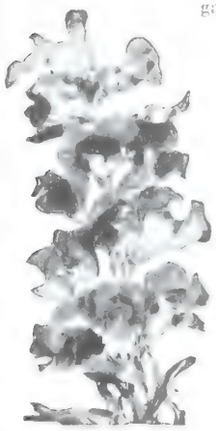
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Clove Gilliflowers Of Long Ago

(Continued from page 135)

of the florist and the fancier than the American Tree, the Malmaisons and other winter-blooming kinds, they have a grace and charm that are very appealing and they are grandly generous with their blooms. These come in clusters and of course the individual size of the blooms may be increased by disbudding. The colors are white, yellow, pink, rose, crimson and scarlet.

The pink in early days was far less esteemed than the Carnation. "They only serve to set the sides of borders in spacious gardens, and some of them for Posies, mixed with the buds of Damask Roses", wrote Rea—surely mission enough for any flower. But in those days the Pink, the plant we now know as *Dianthus plumarius*, but which was then *Caryophyllus silvestris*, had another end to serve. It enjoyed a respected place in the domestic Pharmacopeia, being known to prevail against hot pestilential fevers, and to comfort the heart "being eaten now and then." With the Carnation it was used to give a special flavor to wine—hence the old name, Sops in Wine—and the blossoms were used in the compilation of conserves and various sweets, and as a garnish to solids. But I am sure its most popular use must always have been in "Posies" and to deck up houses."

A garden full of Pinks "with spices in their throat" cannot but be a sweet and friendly one. Their modest beauty makes for informality, their fragrance reaches the heart as well as the nose. The old medicines, when they declared it a sovereign heart remedy, were not so far from actual fact.

We do not use them as freely as Nature as we should. Anyone who has visited English gardens will remember the long borders edged with Pinks, especially the white fringy kind, which I think is *Dianthus latifolius*, and which may be bought and raised from seed and enjoyed in any sunny garden in this country. These trails of fragrant snow once seen are never to be forgotten. Her Majesty and Mrs. Sinkins are fair, fat and fragrant dames, so beruffled that they more often than not burst their "impalement", thus quite losing countenance. A shilling sent to any English seedsman will bring you a packet of seed of any of these, but of course you will never stop with a shilling once you start, for you will want to try the lovely fringy and very sweet single Pink, *Dianthus fragrans*, and you will go on to Earl of Essex, Ipswich Crimson, Cyclops, Gladys Cranfield, and many more—or you may buy most of these plants ready grown in this country and so immediately fix their beauty in your garden without waiting for seeds to sprout and seedlings to grow.

One of the finest Pinks that has come into my garden in recent years is called Annie Laurie. It is a single variety, very large of blossom and a clear, soft, Orchid-pink in color, with a claret circle at the heart. It is almost perpetual flowering and it is quite hardy.

Once more I must stress the point that Pinks, like Carnations, will thrive only in a sweet soil—one devoid of leafmold, and light, rich, and well-drained. Old manure, wood ash, bone-meal, may be fed them, and sand added where the soil is heavy. And there must be sun. They are emphatically not plants for the shaded garden.

When Pinks are used as the edging of borders they are unsurpassed in effect, for after the first blossoming is past, they may be cut over and will present a neatly gray verge that makes a fine setting for the flowers of other seasons.

I shall be glad to tell, upon receipt of an *addressed* envelope, what I know of the whereabouts of seeds or plants of the flowers named in this article.

House & Garden's Bookshelf

(Continued from page 104)

Most readers, however, if they have not followed closely the travels of Mr. Wilson from year to year, will be stirred by a realization of what it has cost in lonely struggling with discomforts to give to the modern world the riches that are in such plants as the Regal Lily and in others not yet generally known, like the *Davidia involucrata* that to Mr. Wilson is "the most interesting and beautiful of all trees of the north temperate flora." Then there are the handsome *Betula alba sinensis*, a Birch with orange-red bark; *Quercus aquifolioides*, almost as beautiful as the celebrated Golden Oak of California.

The Chinese flora is estimated to contain 15,000 species, half of which are peculiar to the country. Of these Mr. Wilson, in his eleven years, collected 65,000 specimens, in about 5,000 species, nearly a third he has introduced to the Occident. And also in magnificence of flowering the Flowery Kingdom is supreme among lands of the temperate zone. Climbing the Mountain Wa Shan, upon which in four days Mr. Wilson added to his botanical collection 220 odd species, he found only Rhododendrons above the altitude of 10,000 feet; thousands and hundreds of thousands of Rhododendrons, the gorgeous beauty of whose flowering, he says, defies description. Many bushes were fully thirty feet tall and more in diameter, clad with a wealth of blossoms that almost hid the foliage, crimson, bright red, flesh-colored, silver, pink, yellow and pure white.

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The Case For Hardy Perennials

(Continued from page [illegible])

of early flowering species may be mixed with later flowering kinds. For example, Delphinium, which flowers in June, may be mixed with the taller Phlox or late flowering Asters which produce their blossoms during August. In this manner bare spots may be avoided.

Since the perennials require a comparatively large amount of soil salts, the soil where they are growing is usually depleted after three or four years. Then it becomes necessary to transplant them. In general this process is carried out in the fall, some time in October or November. It is also possible to do this early in the spring during March, April or May, but the fall is the best time. Usually the plants are transplanted after their flowering period. When the process is to be carried out in the spring, then it should be done before the leaves are developed and the plants must be thoroughly watered after being placed in their new location.

Before transplanting it is absolutely essential that the ground be dug quite deeply and preferably, that manure be added and well mixed with the soil. Then, too, the plants should not be set too closely together, for they take up more and more room as time goes on. The taller forms are spaced more than two or three feet apart while the smaller forms are satisfied with a distance of two or three feet. Never set them too deeply in the ground; the crown should be placed so that it is even with the ground.

The first year after [illegible]

While [illegible] able to [illegible] by division of the root stock. Propagation through [illegible] is much [illegible] seeds, [illegible] August, though some gardeners [illegible] May sowing. The hardy types [illegible] sown upon the beds while the [illegible] hardy kinds must be sown in the hotbed where they remain throughout the winter. They are transplanted in the spring and the young plants develop their first flowers during the summer months.

The soil of the bed containing the perennials must be kept loosened at all times. In the fall a light bedding of short straw manure is provided and this is worked into the soil for a few inches, care being taken not to injure the roots. Since many perennial crowns tend to rise toward the surface, it becomes necessary to add a slight amount of rotted leafmold now and then. This rising is caused by the elongation through growth of the root crown.



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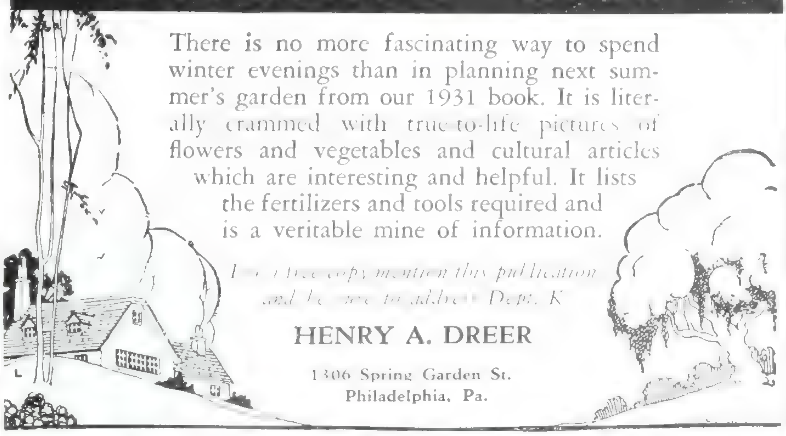
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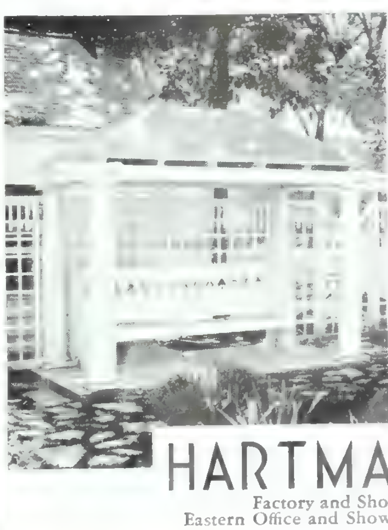
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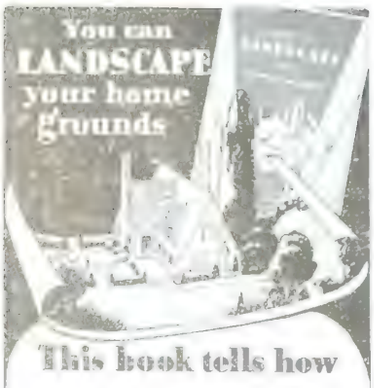
FOR A WARM DAY. When there comes one of those warm, calm days which make one think that after all January isn't such a cold month, don't stifle that gardening impulse. Instead, get out the garden tools and finish up the tree job which you started back in November, or better still, attend to the dormant spraying of the fruit trees. You may prefer to do it in real winter weather, but the trees will spray is on a warm day.

COLDFRAME SEEDS. There is still time for the coldframe sowing of perennial seeds, whether the plants are ultimately destined for the hardy border or the rock garden. Germination will not take place until spring, but then it will begin so early that the young plants will be well started by outdoor sowing time.

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IVY INDOORS. Those who have trouble growing potted Ivy in the house may find that their troubles vanish when the pots are put in partial shade and left there. The control of [illegible] in spring than in the fall, judging by the [illegible]

PLANTING EVERGREENS. [illegible] in late summer or early fall may do so excellently if they are within [illegible] adequate artificial watering. Ordinary sprinkling with the hose is practically useless; a genuine drenching is absolutely necessary. When the ground immediately around such evergreens has been wet to the depth of at least a foot (more than that in the case of large specimens), then you know that the job has been done right. Unless rain comes, the watering should be repeated weekly until the ground freezes.



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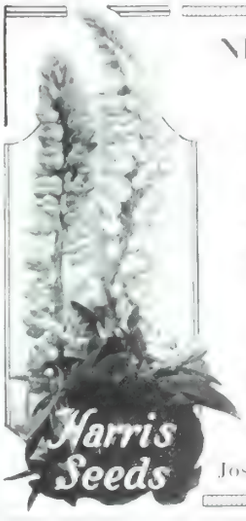
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A handsome, large sized brass kettle holding six to eight fireplace logs. Replica of the old New England fireside kettles. Heavy gauge, made from one piece of solid brass. Weighs 10 lbs. Hammered wrought iron handle. Most attractive on your hearth. Bark, chips and dust cannot sift through. As a gift it is unusual and always appreciated. Price $20. At all leading stores, iron specialty shops, or direct. Folder on request.

THE COLONIAL BRASS CRAFTSMEN
[illegible] River Street
New [illegible]



KUNDERD'S
FAMOUS GLADIOLI
FOR YOUR GARDEN

New Varieties for 1931

[illegible] sensational, ruffled and [illegible] gladioli originated by E. Kunderd, the foremost [illegible] Hybridist. His varieties are universal favorites. [illegible] illuminated and placed kinds are outstanding. [illegible] them, read about them, or them direct from Kunderd. E 1931 Gladiolus Book. It [illegible] tells and describes 600 [illegible] 52 shown in natural [illegible] Use the coupon.

E. KUNDERD.
[illegible] Lincoln Way West, Goshen, Ind., U. S. A.
[illegible] Sir: Please send me FREE the [illegible] Kunderd Gladiolus Book.
[illegible]
[illegible] or R.F.D. [illegible]
[illegible] ..... State [illegible]

HILL'S EVERGREENS

PICTURE in your mind the beauty that comes to your home when Hill's Evergreens are a part of the planting scheme. The stately Juniper vies for attention with the graceful Arborvitae; the dwarf-like Mugho Pine adds a color tone in low relief; while the Japanese Yew, the Red Cedar or Colorado Spruce lend the charm of variety.

[illegible] incomparable beauty, that are the result of [illegible] Evergreen specialization.





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EVERGREEN SPECIALISTS
Largest Growers in America
Box 301 DUNDEE, ILL.

· IT'S ON PAGE ·

A NEW HOUSE & GARDEN SERVICE

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Winter rooms welcome a change of scene—and even a single piece of Richter Furniture brings new warmth and harmony into the home. Richter Reproductions of English and Early American Furniture—carefully made by skilled craftsmen—offer many gracious suggestions for complete or partial refurnishing.

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Nice Customs in Living

In the Book of Smart Service, the Editors of Vogue have reported the spirit as well as the myriad small details that go to make nice customs in living.

Vogue's Book of Smart Service takes up every problem of the household . . . from the establishment that requires a whole staff of servants to the tiny apartment in the city with one clever little maid.

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Written by those born and bred in the traditions of which they write, the Book of Smart Service will help you run your house smoothly . . . and smartly! You will want a copy for yourself and one for each of your servants. Why not send for them today?

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Please send me____copies of Vogue's Book of Smart Service @ $1 the copy. I enclose $_____

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CITY STATE

The SPOON *is The* ENEMY *of The* HIGH-BALL

ask BILLY BAXTER
how 'bout self-stirring
CLUB SODA and GINGER ALE
—his booklet tells all

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Your fancy dealer should supply you . . . if not, we will
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THE WORLDS BEST SHIPS HAVE CARRIED
Poland Water
ON THE SEVEN SEAS FOR THE LAST 50 YEARS

Experienced Travelers are never without it



"It was a fine trip, and Eleanor has the nicest home. It is typical of many courtesies . . .

"IT WAS A FINE TRIP, AND ELEANOR HAS THE NICEST HOME!"

★

Your guest is always grateful for special courtesies . . . such as a telephone conveniently placed in her room

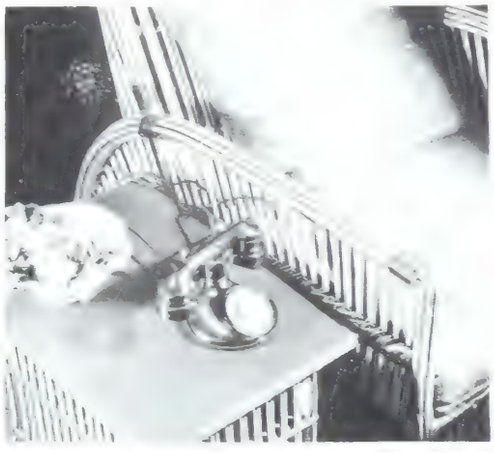
THE IMPRESSIONS that guests gain of your home are the sum of the provisions that you make for their comfort. Special courtesies are recognized and remembered. And nothing is more deeply appreciated than a telephone in the guest's own room. It seems to make her a very real part of the household. It offers opportunity for a voice-visit "back home" with complete privacy. It provides means for meeting personal needs quietly and quickly. It adds a protective touch at night.

Above all, the guest-room telephone is quiet evidence of a modern, well-ordered household, in which convenience has replaced confusion. It signifies a capable, careful hostess, who has *enough* telephones to direct her establishment from any point in it.

You can supply this service to your guests—can talk from room to room—to maid or seamstress, cook or chauffeur—to the next house or the next city—at a very nominal cost. Your local telephone company is equipped to provide telephone service to meet the requirements of your household, large or small. The Business Office will gladly give you full information.



Nothing is more welcome to a guest than . . .



The greatest comfort of the land is good friends when earlier in the evening . . .



A telephone in the kitchen makes it possible for you to call the . . . when you're away—but there's also a lot of use for it when you're busy . . . or burning biscuits. It has many other uses too.

BELL SYSTEM

TIFFANY & Co.

JEWELERS SILVERSMITHS STATIONERS

JEWELRY AND SILVERWARE

Noted for Quality
Moderately Priced

MAIL INQUIRIES RECEIVE PROMPT ATTENTION

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ur large showrooms are a permanent exhibit of constantly changing models of Fine Handmade rniture — traditional in design and unexcelled in craftsmanship. Here dealers and interior decorators ve an exceptional opportunity for careful selection of unique and distinctive pieces—at wholesale only. e public are invited to inspect our creations and order through dealers or decorators.

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IN homes of gentle heritage, you will always find STERLING tableware. And among people whose taste is as modern as their traditions are long-established, there will you see TREASURE SOLID SILVER. For TREASURE silversmiths have added, to the accepted beauty and significance of Sterling, the new finesse of related design. TREASURE patterns reflect, in form and motif, the distinctive manner of the important periods.

* * *

The *EARLY AMERICAN STYLE*, which follows so faithfully the spirit of our own Colonial silver, was expressly created for the Early American interior, decorated in simple maple pieces or in the more formal Colonial mahogany. And every prevailing tradition in modern decoration - *EARLY ENGLISH, SPANISH, MEDITERRANEAN, GEORGIAN* - may have its complement now in appropriate Sterling tableware ★ TREASURE Solid Silver is carried in stock by leading Jewelers who will welcome the opportunity of showing you the various patterns in correct decorative styles.



"Treasure" Solid Silver
STERLING FINE

* * *

There is a new TREASURE booklet, "*THE MODERN WAY TO CHOOSE YOUR SILVER*," which shows how the discerning hostess may relate the pattern of her Sterling tableware to the ensemble of her home. We shall be happy to send you a copy, if you will address your request to Dept. B-

ROGERS · LUNT & BOWLEN CO.
Sterling · CREATORS OF DISTINCTIVE TABLEWARE
GREENFIELD, MASSACHUSETTS
Member of the Sterling Silversmiths Guild of America

B. ALTMAN & CO.

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NEW YORK

Announce

VAST REDUCTIONS ON THE ENTIRE STOCK OF

Fine Furniture

Altman policies of fair dealing, honest prices and strict standards of valuation prevail throughout the sale. Every item is from our regular stock

Reduced 20 to 50 Per Cent

from its normal, fair price. Every type of furniture is included WITHOUT RESERVATION.

A considerable portion of this furniture was brought over from England and the continent during recent months to augment our exhibition of fine interiors.

TREASURE TROVE

Reductions of 20 per cent are offered on all the art objects, including bronzes, pewter, porcelains, glassware and semi-precious stones displayed in this delightful shop. This presents a rare opportunity to secure exquisite objects for wedding, anniversary or hostess gifts at a substantial saving.

Included in this sale are

Period Reproductions
Antique Fabrics
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Modern Furniture
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Mirrors
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Antiques
Suites

FURNITURE—SEVENTH AND EIGHTH FLOORS
TREASURE TROVE—SEVENTH FLOOR



SPARKLE

The brilliance of a mid-winter night outdoors. Trees ar
shrubbery snowladen and hung with icicles glisteni
in the moonlight. The air—crisp and crystal-clec
Indoors . . . the warmth and glamour of glowing logs ar
lamplit rooms. The table formally set for guests . . . fir
lace, china, silver . . . flowers, candles. And against th
lovely background the sparkling accent of SLOA
ROCK CRYSTAL WARE . . . the final touch that brings th
brilliance and beauty of the outdoors indoor

SLOAN

ROCK CRYSTAL WAR

RINGS LIKE A BEL

LONACONING MARYLAN

Sloan Rock Crystal Ware in fifteen patterns including all types of glasses, goblets and plates in three sizes, may be obtained at Gimbel's, New York; Carson, Pirie & Scott, Chicago; Snellenberg's, Philadelphia; A. Stowell & Co., Inc., Boston; Ed. Schuster & Co., Milwaukee; Sterling & Welch Co., Cleveland; Kresge, Newark. If your favorite store does not carry [illegible] Sloan Lonaconing, Md. Prices to suit every purse.

"YOU MUST START WITH FINE *hard maple*
THEN *hand-rub* AND *hand-wax* IT TO MAKE
FURNITURE LIKE THESE *Corner Shop* PIECES"



— said a nice old gentleman who is a cabinet-maker as was his father before him, when describing the evolution of a Corner Shop reproduction. Then he went on to say that the maple must be chosen ever so carefully so that expert wood-working and finishing can impart to it the rich color and faintly irregular surface which is so charming in old pieces. The arrangement above suggests a delightful chamber for the daughter of the house, which might be used for a guest room when she is away at school. The chest, $119.00, the bed, $34.75, the desk, (it has amusing details) $109.00, the little chair with seat of corn shuck, $8.94

MACY'S

34th Street and Broadway, New York



In this 18th Century window group, Agnes Foster Wright uses draperies of powder blue Celanese Permanent Moire over glass curtains of gray green Celanese Taffeta.

The Gracious Elegance of the 18TH Century Setting

is typified by

CELANESE

IN the growing importance of the 18th Century interior as a background harmonious to ultra-feminine fashions, Celanese Fabrics play their modern part. Leading decorators prefer them because Celanese interprets so gracefully the dignified charm of the Georgian period, and at the same time meets the practical standards of to-day. Fabrics of Celanese have a natural, luxurious weight, free from all loading . . . they are not injured by rain or fog . . . will not shrink or stretch . . . or mold or mildew . . . dry-clean perfectly . . . and the colors are unusually fast. Moires that are *permanent* . . . Taffet weaves that do not split or crack . . . and Satin weave that will not rough up . . . are among the unique con tributions of Celanese Fabrics to the decorative field

CELANESE

TRADE MARK REG U S PAT. OFF.

Decorative Fabric

[illegible] product manufactured exclusively by the Celanese Corporation of America, 180 Madison Ave., New York Ci

An Invitation to Lounge and Relax

IT HAS ... [illegible] ... in which Kittinger ... comfort ...

Almost every period in the history of fine furniture-making is represented in the 700 Kittinger pieces [illegible] Walnut, Mahogany, Oak and Maple.

Kittinger production methods [illegible] even of modest incomes.

A copy of an interesting and helpful booklet on [illegible] will be mailed to you for the asking . . . . Address Kittinger Company, 1891 Elmwood Ave., Buffalo, N. Y. . . . or new [illegible].

Kittinger Distinctive Furniture is sold by leading dealers and decorators everywhere.



You will receive a cordial welcome at any of our showrooms.

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At Factory
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The Reception Room in our Factory Showroom Los Angeles, California

KITTINGER
Distinctive Furniture

[illegible] Kittinger Company

[illegible] KITTINGER [illegible] DISTINCTIVE [illegible] FURNITURE [illegible]





This example of velvet comes from Northern Italy and, while modern, has all the characteristics of the ancient in design, color, and weave. The subject was derived from a Roman Mosaic of the time of Benvenuto Cellini and therefore the fabric will be called "Cellini Velvet".

IMPORTED

Upholstery and Decorative Fabrics

ESTABLISHED more than a century ago, Johnson & Faulkner for generations have been importing Old World fabrics to meet the most exacting requirements of the decorative trade. Decorators and their clients are cordially invited to visit the new Johnson & Faulkner Building, and to inspect, under ideal conditions, a comprehensive display of every type of high class fabric required in the decoration of the modern home.

JOHNSON & FAULKNER

Established 1823 — 43-49 EAST 53RD STREET, NEW YORK — *Incorporated 19*

BOSTON 120 Boylston Street | PHILADELPHIA 1528 Walnut Street | CHICAGO 1512 Heyworth Building | PARIS 50 Faubourg Poissonniere | SAN FRANCISCO 442 Post Street | LOS ANGELES 816 South Figueroa Stre

LIKE FLOWERS IN A ROOM

they lend the final, gracious touch

IT IS ONE of the pleasant experiences of life to discover, while looking over one's private collection of photographs, that only little things really matter, after all. The orchard of your first home, with the white picket fence beyond . . . Laddie, fluffy and small, and rather bored with cameras . . . a priceless snapshot of Barbara . . . these glimpses, gay and luminous, give depth and meaning to life.

Certain photographs, more precious than the others, ought to be framed. A frame will share its quiet, formal beauty . . . it serves, as well, to guard and preserve the portrait. And in a modest way, it is a symbol of your affection.

Among a great many people who own and treasure lovely things, it is almost taken for granted that the frame shall be of fine leather. And if, by some chance, you could see the articles they select . . . an intimate frame, in sleek black calfskin . . . one with handsome inserts, chastely carved in jade . . . a drawing-room folio, hand-tooled in the Florentine manner . . . you would discover that the great majority of them are imprinted with a tiny golden keystone R.

That insignia, found upon each piece of fine leather manufactured by C. F. Rumpp & Sons, Inc., of Philadelphia, is the guide by which such people frequently make their selection. For them, and for you, it is the seal of a high tradition . . . a simple, infallible witness that the gift is good.

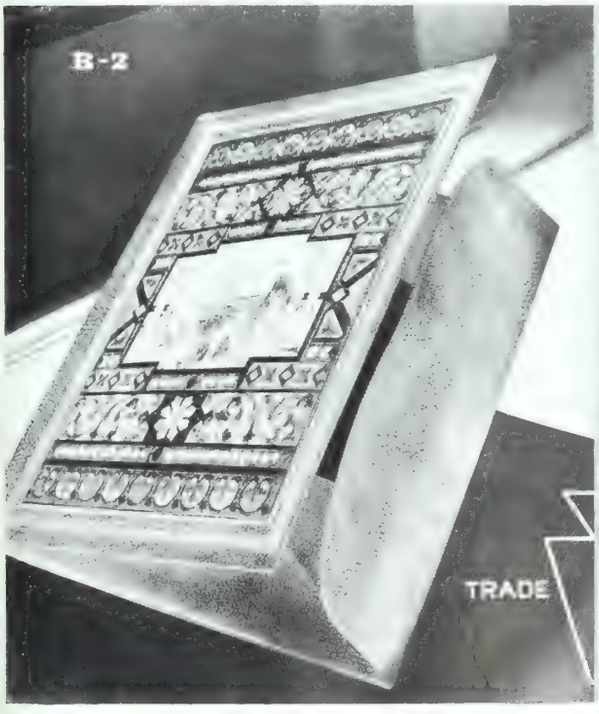
C. F. Rumpp & Sons, Inc., manufacture fine leather articles of every description, excepting luggage. They may be had at the better leather goods stores, department stores, jewelers, stationers, and haberdashers.



B-1 . . a green easel frame, in cerase leather, with gold hand-tooling. This also is available in other leathers and colors, in varying sizes.

B-2 . . a drawing-room folio, exquisitely hand-tooled in the Florentine manner, with a gold-tooled border. This is also available in a wide variety of other designs and colors.

B-3 . . a double photograph frame, in cerase-finished green leather, with gold hand-tooling. This frame, which may also be had for single photographs, is available in assorted colors, leathers and sizes.





C. F. RUMPP & SONS, INC.

PHILADELPHIA AND NEW YORK
ESTABLISHED 1850

These unique fireplace accessories are



JACKSON'S ELECTRIC LOG FIRE

IN 1857 when the Wm. H. Jackson Company began manufacturing Fireplace Accessories for America's "first families," roaring fires were the fashion and we turned to our hearths for heat as well as cheer. Today, our homes are amply heated and in those which are most modernly furnished we find a new type of "fire" which is as inviting in July as in December... a fire which warms the cockles of the heart without roasting the temperature — namely, Electric Log Fires reproducing the leaping flicker and warm friendly glow of a burning fire to perfection. You will be amazed at their *naturalness*. They are a [illegible] Jackson Electric Log Fires may be [illegible] Electric Log Fires from $85.00

WM. H.

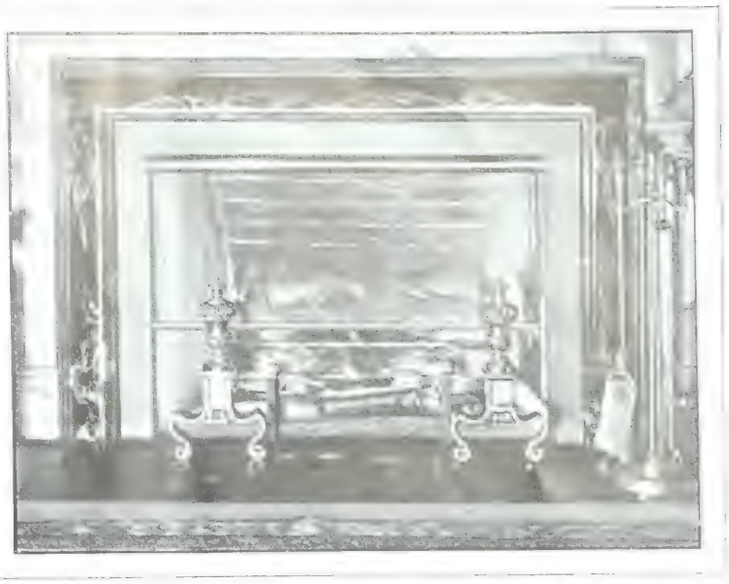
over a hundred years of service to the

now more easily within your reach

YOUR home is your castle, and your hearth is the symbol of your hospitality. Adorn it! Add to its beauty and interest! Give it a handsome setting and fine appointments, that the hours you spend before it may be more pleasureable, and that it may truly reflect the comfort and luxury of your home. ~ You will find the Fireplace Accessories shown here eminently suited to this purpose. Their beauty is exceptional; their quality is outstanding. They are the creations of an organization of highly skilled artists and artisans —an organization which, for more than a century, has made a *fine art* of glorifying the hearth. ~ The standards of design and craftsmanship which are traditional with the House of Jackson are famous throughout the land. They have won the admiration and patronage of America's most discriminating and distinguished families. ~ Jackson's mantels, andirons, screens, and other fireside fittings exalt the hearth to the status of an *objet d'art* —providing a quality of beauty and interest which makes the fireplace the dominant decorative feature. ~ In the past the Wm. H. Jackson Company's Fireplace Accessories have been obtainable only through Jackson's own Galleries in New York and Chicago. ~ Now however, for the greater convenience of its patrons, the Wm. H. Jackson Company has also arranged distribution of its products through the exclusive representatives listed here.



Jackson's Folding Fire Screens are obtainable in a great variety of Historical Period and Modern designs to complement the various styles of mantels and interiors. Prices from $85



JACKSON'S ROLLING FIRE SCREEN

The Jackson patented Rolling Fire Screen is a perfect fitting companion piece to the Jackson Andirons. It comes in various fireplace widths, and may be raised and lowered at will by means of a handsome, graceful chain ornament, as the case. The screen consists of wire, finely meshed, mounted on a frame of brass with a protective, non-tarnishing lacquer finish. Collapsible [illegible]



These leading establishments, long known for the scope and character of their service, now bring to you, as exclusive representatives, the famed creations of the House of Jackson:

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J. G. VALIANT COMPANY

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prominent families in the social register

Linen Damask is GAY at Breakfast

TRELLIS

The familiar interlacements of

tals on this handsome modern



Many lovely designs in Linen Damask for all occasions are pictured in a new booklet—"New Send ten cents to cover mailing, addressing Dept

LINEN DAMASK on the breakfast table salutes the spirit of the hour which celebrates our reunion with the world. In the morning sunshine, hospitality is as cheerful as the aroma of coffee...as artless as the golden brown harmonies of muffins and marmalade. Among the superb patterns of Linen Damask made on Irish and Scottish looms, there are many especially designed to be used on the table when the day is young and hearts are light.

LOVELY LINEN
DAMASK TABLECLOTHS & NAPKINS
impressively correct

S[illegible] WEAVES AT LEADING STORES

Designs that are New . . . designs that are Old

. . EACH WITH MELLOW CHIME AND TELECHRON TIME!

Today, time *must* be told truthfully. It should be told pleasantly, as well. . . . For that reason, Revere has added to modern electric accuracy, the beauty of fine cabinetwork and the melody of chimes.

Revere cases derive their designs from many periods — Gothic, Georgian, Queen Anne, Early-American and others. They are wrought from rich woods — mahogany, ebony, rosewood, redwood, satinwood — carved and rubbed by hand. They are fitted with exquisitely etched and inlaid dials — with deep-toned Westminster, Canterbury or Whittington chimes.

And *every* Revere Clock contains a tiny Telechron motor — the most convenient, most accurate marker of minutes that man has ever known. Plugged into an electric outlet, each Revere Clock brings correct time, quietly, continuously, from the Telechron Master Clock in the power house. It never needs winding or regulating.

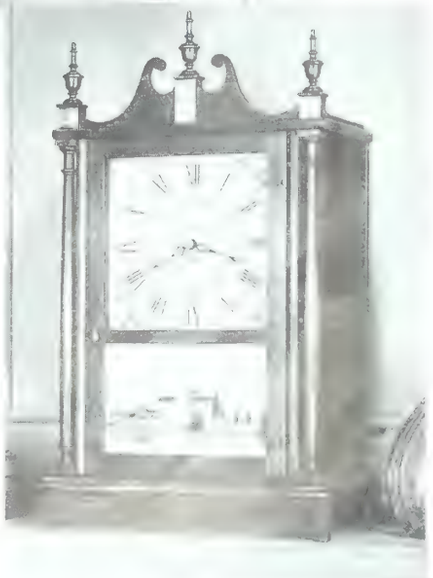
Revere Clocks make any home more livable for those within it. There are models for floor or wall or mantel, ranging in price from $30 to $1200.* You'll find them displayed by good dealers everywhere. They are illustrated also in our free booklet, "Observatory Time." Write for it. The Revere Clock Co., 464 McMillan St., Cincinnati, O.

The Warren Telechron Company, of Ashland, Mass., manufactures a full line of non-striking clocks at prices up to $55.





- **Above**—Midland. Georgian design. *Mahogany case, 54" high. Westminster chimes* $235
- **Left**—R-638. Colonial model. *Mahogany case, 38½" high, 19" wide. Westminster chimes* $42
- **Right**—R-154. Early American design. *Mahogany case. Decorated glass door showing Independence Hall. 17½" high. Westminster chimes* $55
- **Below**—R-628. Modern design. *Walnut case, 12¾" high, 8" wide. Westminster chimes*... $60





Revere Clocks

WITH *Telechron* ELECTRIC MOTORS



W. E. Scripps Residence. Westwood Farms, Mich. Architect, Thomas H. Hewlett, Associate.

WINDOWS THAT POSSESS AND EXPRESS INDIVIDUALITY

That "something different" so hard to define, so quickly recognized which sets a house apart is easy to achieve with Crittall Casements. For these beautiful windows have an individuality of their own which they impart to every home where they are used. From the outside as well as from the inside, this distinctiveness is readily apparent—expressive of the good taste of the owner.

Crittall Casements offer so many possibilities for unusual effects. There are quaint latticed windows—with odd-shaped panes of leaded glass which carry the spirit of the antique. There are modern windows with steel muntins which have the charm of severe simplicity. Whatever type or size of home you plan to build, there are Crittall Casements designed for your particular purpose.

You have a wide choice available. Stanwin and Norman Casements are obtainable in a large variety of standardized sizes and designs. Universal Casements are custom-built. Products of the world's largest manufacturer of metal casement windows, they are fully wind and weather-tight.

Ask your architect to show you illustrations of distinguished Crittall-equipped homes on pages A777 to A842 of Sweet's Architectural Catalogues—and to tell you how Crittall Casements can add individuality to the home you are thinking of building. Or request us to mail you a copy of our catalog.

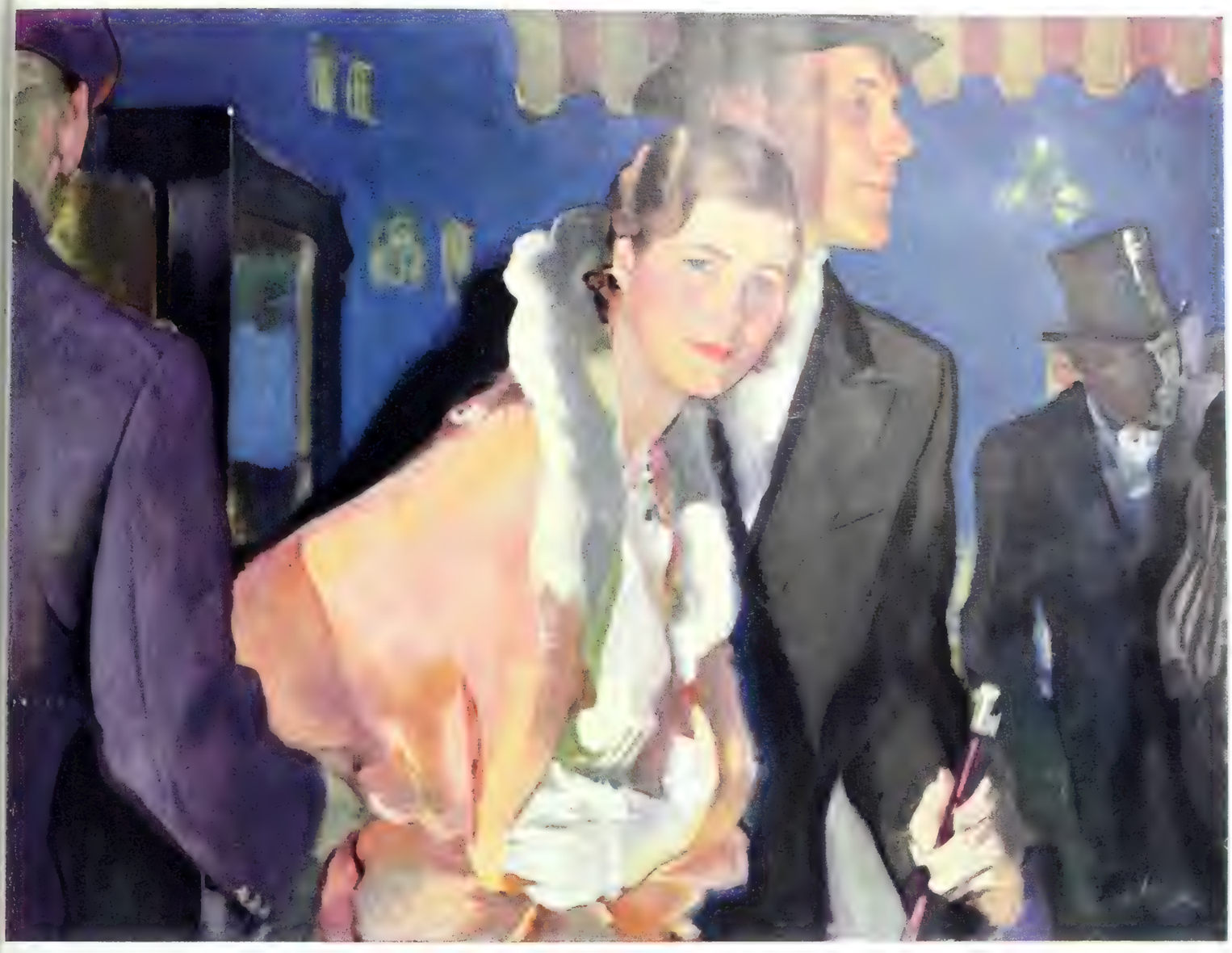
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CRITTALL CASEMENTS

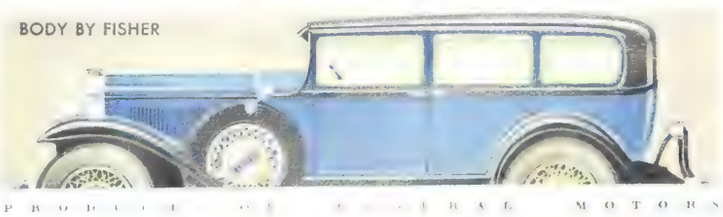
THE EIGHT AS BUICK BUILDS IT



Wherever fashion and character reign
there you will find the Eight as Buick Builds It

It is natural that the world of fashion should look upon the new Buick Straight Eight as the type of motor car that merits preference. For in this day, fashion and character go hand in hand. Buick, with its twenty-seven year background of excellence, has character as well as luxury—dependability as well as swift, spirited performance—among its major attributes. And that explains the ever-growing preference for the Eight as Buick Builds It wherever fashion and character reign.

The new Buick Straight Eights . . . four series . . . four price ranges . . . 20 luxurious models . . . $1025 to $2035, f. o. b. Flint, Mich.



PRODUCT OF GENERAL MOTORS

WHEN BETTER AUTOMOBILES ARE BUILT, BUICK WILL BUILD THEM



Concrete Masonry is a term applied to block, brick, or tile building units molded from concrete and laid by a mason in a wall. The concrete is made by mixing portland cement with water and other suitable materials, such as sand, pebbles, crushed stone, cinders, burned shale, or slag.

To left, concrete masonry and portland cement stucco residence designed by H. H. Warwick, Architect, Washington, D.C.

•

Below, concrete masonry bungalow designed by W. M. Mountford, Macon, Georgia

"What should I expect of the home I build?"



As the first essential you will probably consider the *safety* and *security* of loved ones and possessions. Only *firesafe* walls and floors can meet this requirement.

As the second essential *comfort* will suggest itself — the comfort of a warm home in winter and a cool home in summer. Only walls that *keep out* temperature extremes can meet *this* requirement.

Certainly, you should expect your home to be good looking and substantial, and inexpensive to maintain throughout a lifetime and more.

Now, then, of what material other than concrete can you *reasonably* expect all these qualities? Walls of the hollow type that insulate interiors from exteriors. Walls and floors that are firesafe, rigid, upkeep-free, long-lasting. (Concrete becomes *stronger* with age!) A distinguished appearing masonry exterior at relatively low cost. Build your home of concrete and *secure* what you should reasonably *expect* of the home you build.

PORTLAND CEMENT *Association*

Concrete for permanence and firesafety

33 W. GRAND AVENUE
CHICAGO

CHEVROLET

Now, in smart personal transportation —it's Chevrolet



In choosing the most personal of cars—an inexpensive automobile which you will drive yourself—it's rather satisfying to know that you needn't make an obvious compromise with smartness. Certainly not, in the new Chevrolet Six. Fisher Body craftsmen have styled this new car in their best manner—and they have fitted and appointed it with a fine regard for the many conveniences and niceties that modern women instinctively appreciate. Of course, Chevrolet quality goes beyond smart lines and attractive interiors. Mechanical improvements have been made in every important unit. Consequently, there is a new freedom in performance, a new ease of handling and a new security in driving that are rather remarkable in so inexpensive a car. Women of discernment are everywhere showing marked preference for this new Six—that is why we say, "Now, in smart personal transportation, it's Chevrolet."

Above is illustrated the Convertible Cabriolet.

Chevrolet prices range from $475 to $650, f. o. b. Flint, Michigan. Special equipment extra
CHEVROLET MOTOR COMPANY, DETROIT, MICHIGAN. *Division of General Motors Corporation*

NEW CHEVROLET SIX

The Great American Value

"CLEAR EVIDENCE"



Says

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Chairman of the Board
Thompson-Starrett Co., Inc.

Builders of the new Waldorf-Astoria Hotel, the Woolworth Building, the Paramount Building, the Equitable Building, New York; the General Motors Building in Detroit; the Palmer House in Chicago.

"When modern enterprise joins hands with sure-footed experience, success becomes a certainty. The fusion of these two important factors has given Thompson-Starrett over a billion dollars worth of activity in thirty years. It is interesting to note the application of this same principle in your business. Its clear evidence is your use of the Ultra Violet Ray in the 'Toasting' of the LUCKY STRIKE tobaccos."

L. J. Horowitz



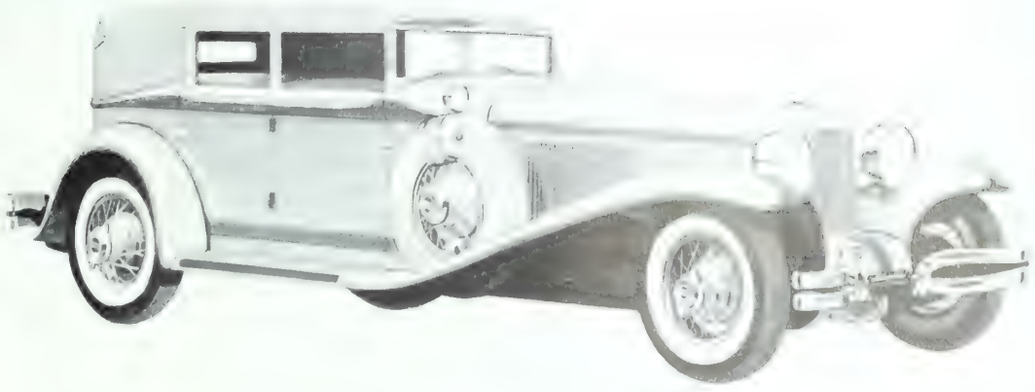
Everyone knows that sunshine mellows — that's why TOASTING includes the use of the Ultra Violet Ray. LUCKY STRIKE — the finest cigarette you ever smoked, made of the finest tobaccos — the Cream of the Crop — THEN — "IT'S TOASTED." Everyone knows that heat purifies and so TOASTING removes harmful irritants that cause throat irritation and coughing. No wonder 20,679 physicians have stated LUCKIES to be less irritating!

"It's toasted"

Your Throat Protection — against irritation — against cough

Consistent with its policy of laying the facts before the public, The American Tobacco Company has invited Mr. L. J. Horowitz to review the reports of the distinguished men who have witnessed LUCKY STRIKE'S famous Toasting Process. The statement of Mr. Horowitz appears on this page.

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FOREIGN TO EUROPE

So foreign is the originality of the Cord design, that it stands out with sharp contrast against the background of the finest motor equipage that Europe has to offer. As a result, in competition in the important Continental Rallyes, the Cord has emerged victorious in thirty-nine events.* No other American automobile has ever gained such overseas renown. In Europe, as elsewhere, the influence of the Cord is felt as the model for others to pattern after. Cord dealers are now showing models of the winning Cord cars chosen by various members of Royalty for their personal use.

*Included are such outstanding awards as: Grand Prix, plus Cup of Honor, at Monte Carlo; Grand Concours d'Elegance Prize, at Lake Lee Pues; First Grand Prize, Concours d'Elegance, Cannes, France; First Prize, Concours d'Elegance, Berlin, Germany; Gold Band, Concours d'Elegance, Prague.

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From the Original Closet Shop

The CLOSET Shop
MRS. GEORGE HERZOG
[illegible]80 MADISON AVENUE, NEW YORK

EDUCATION [illegible] ligent appre[illegible] of the decoration firm of L'Elan. Wo[illegible] works in fine marble, L'Elan craftsm[illegible] ture and character of precious [illegible] ultimate effect of each creation. [illegible] tion becomes not only unnecessary, but out of place. "Monel," an extremely durable metal [illegible] warm, deep gray in tone, is used in [illegible] wood. When fabrics are employed, particular stress is laid upon the harmonious relation of th[illegible] woods with which they are used. In [illegible] be seen at this establishment, the walls are paneled in Mexican mahogany, their sole decoration being amusing figures carved in the wood. On the floor is a multi-colored linoleum in which green and a soft rose color predominate. The [illegible] ing twelve persons, is of monel [illegible]



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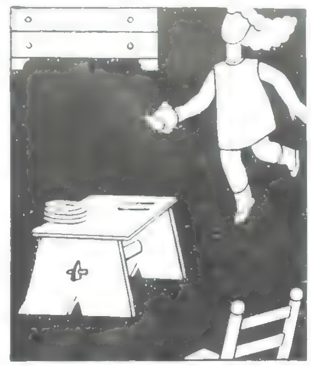
Mountain Lake, Charles W. Dahlgreen
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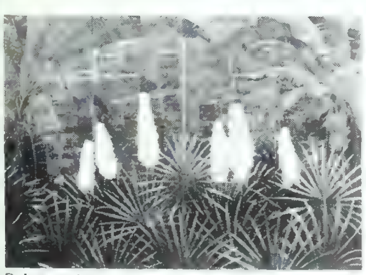
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[illegible] gested in THE CARCASSONNE, a chintz [illegible] exotic design and rich coloring, the turning boughs and fanciful blooms incorporate [illegible] grounds of beige, natteer, crême, parchment or nuit. Price $1.65 a yard chintz; $2.55 linen.

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Decorative Handicraft Studio

IT is interesting to compare the sophisticated simplicity found in modern furniture with the naïve simplicity revealed in so much peasant art. A certain basic honesty seems to be common to both. At the "Peasant Village," the imaginative shop of Mitteldorfer Straus, there is a host of fascinating examples of peasant handicraft of all lands. This firm at present is specializing in French provincial furniture and unusually attractive is a group of chairs in this style, as well as a new chaise longue. This latter piece, developed from the traditional ladderback, rush-bottom chair is graceful and extremely comfortable.

IN SEARCH of interesting [illegible] to meet the growing demand for unfinished furniture and, consequently, for [illegible]

To hold your door—



THIS bear, trained to keep your doors from banging, is 11" high, of hard brown rubber and cannot scratch your floors. Check with order, postage prepaid in U. S. A. $5.50.

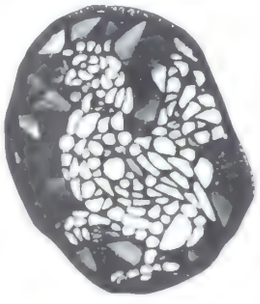
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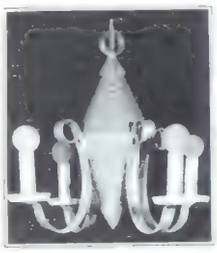
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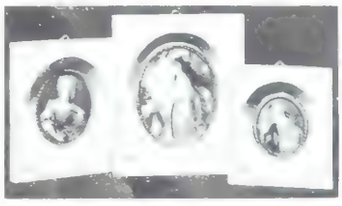
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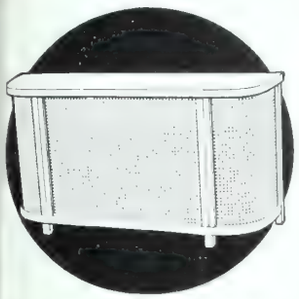
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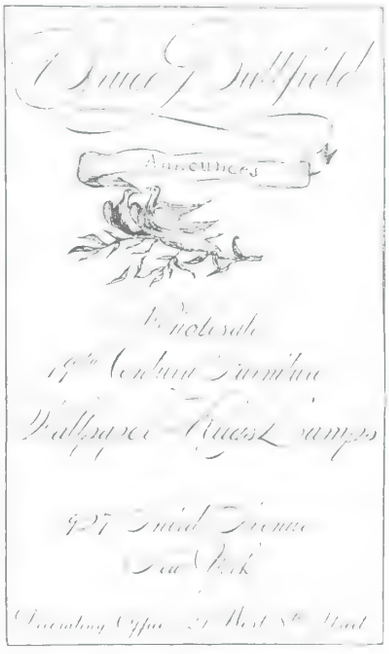
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PLANK FLOORS as applied by BRUCE

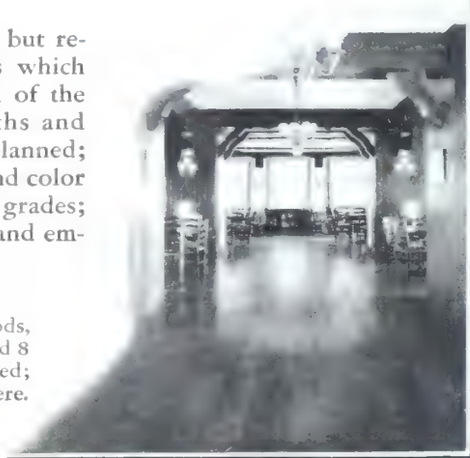
BRUCE



HISTORIC FLOORS FOR THE NEW ENVIRONMENT

PLANK FLOORS which enrich historic structures in this country and abroad, are an envied heritage from the architecture of the past. These were of necessity rough hewn, of varying widths and lengths, as determined by the size of logs available.

Today, solid floor planks, as perfected by Bruce, conform to modern decorative ideas in nicety of workmanship, but retain the "casual" characteristics which contributed much to the charm of the original floors. Random widths and lengths are now deliberately planned; knots and unevenness in grain and color are interesting in the "lower" grades; beveled edges suggest "cracks," and emphasize the individual boards.



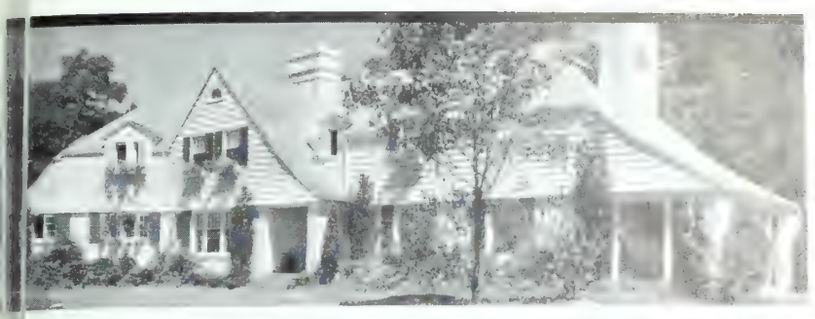


Bruce Plank floors are available in oak, walnut and Philippine hardwoods, in three grades, Mansion, Fireside and Tavern; five widths, 4, 5, 6, 7 and 8 inches. *CELL*ized* (chemically treated to resist moisture) or untreated; beveled or square edged. Sold through retail lumber dealers everywhere.

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Sketch

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Wellington, Sears & Company, 65 Worth Street, New York, N. Y.

Bubbles, the newest, and, some say, the loveliest Martex pattern, is shown at the right. To be had in towels, wash cloths, bath mats and shower curtains, in a variety of the newest pastel shades.



Underweave of ordinary Turkish towel (somewhat magnified) is loose, open and weak.



Underweave of Martex towel (equally magnified) is close, strong and durable.

Drums—distinctive and very modern, without being bizarre.



Catalina—above—gives you a smart aquatic motif.

All Martex towels shown here may be had in Nile green, peach, azure blue, orchid, jonquil yellow and apple blossom pink.



Waterlily—a pastel flower pattern of unusual charm.

MARTEX

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APART from the attractions of the new Pierce-Arrow price range . . . which affords savings in excess of $600 to $800 on many models . . . the new line embodies the most important automotive development of the past decade: *Free Wheeling!* A feature which adds to the already superlative quality of Pierce-Arrow power, the magic freedom and great economy of *momentum.*

The new Pierce-Arrows are very beautiful—and, if possible, more than ever in the patrician manner. The interiors are notable for new spaciousness, new loveliness. And added appointments further contribute to the Pierce-Arrow fame for surpassing luxury.

A deeper radiator lends fresh distinction to the famed contour of today's Pierce-Arrow front. New body and fender lines intensify the familiar suggestion of winged fleetness. Doors are wider, body panels lower, running boards of improved construction.

There are elements of added greatness, as well, under each new hood and in every chassis: Measurably increased power, for example . . . new devices for the absorption of road shocks, increased ease of handling, silencing of carburetors . . . not to mention the almost magical ease and quiet and security of the various controls. As always, in short, *"Pierce-Arrow mechanical detail embraces every device of proved character known to engineering of fine motor cars."*

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$810

Following are listed a few of the new models, showing some of today's prices compared with those of 1930:

NEW GROUP B

125 Horsepower . . . 134- and 137-inch Wheelbases

	Previous Models	New Models
5-passenger Sedan	$3495	$2685
5-passenger Club Sedan	3495	2785
7-passenger Sedan	3625	2995
7-passenger Enclosed Drive Limousine	3825	3145

NEW GROUP A

132 Horsepower . . . 142-inch Wheelbase

	Previous Models	New Models
7-passenger Sedan	$4185	$3825
7-passenger Enclosed Drive Limousine	4685	3995
4-passenger Convertible Coupe	3975	3650

In addition to the standard models, Pierce-Arrow announces a complete new line of *Salon Models*. Here is America's finest motor car in its most luxurious expressions . . . Pierce-Arrow at its patrician best, augmented by the most distinguished efforts of famed Custom body-builders. The following are representative values:

SALON GROUP

132 Horsepower . . . 142-inch Wheelbase

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7-passenger Enclosed Drive Limousine	4985
Custom	6250
Custom-built Models up to	$10,000

All Prices f. o. b. Buffalo



Dead-white lace is a wise investment, for it is lovely in any season, and strikingly smart in this one. In a frock made over a silver slip, like this graceful model, it acquires a new and dramatic quality.

WISE SPENDING

IS MORE PROFITABLE THAN

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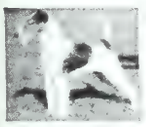


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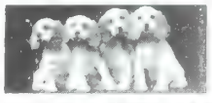
SOME ten years or so ago there [illegible] came stage (perhaps "spang" would be more accurate, in view of the character in question) an undersized but amazingly capable dog whose name sounded like a cross between a sneeze and a growl. He wasn't new, except to us on this side of the Atlantic, for there is good reason to believe that in his native Germany he was known long, long ago, but that had nothing to do with his acceptance by the American public. Almost over night, it seemed, this newcomer that was introduced to us as the Schnauzer became the last word in canine style. If you'd tried you couldn't have put even a slight damper on the flame of his popularity.

As a matter of fact, I can't imagine why anyone would have wanted to check the progress of this wire-haired German Terrier (that is about what he is, when all's said and done). For his are the qualities which innumerable thousands of Americans like their dogs to have: activity, courage, brains, strength and an up-and-coming appearance no less pronounced than the activity of his nature.

Like so many other breeds, the Schnauzer's exact origin is a bit uncertain. The first one I examined left me with the distinct impression that there was Bullterrier blood somewhere in his family tree, so suggestive of that grand breed were the breadth of his skull and the almost wedge-shaped lines of his head as it appeared from above. But the eyes belied that, and so did the sharpness of the "stop" which marked



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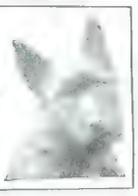
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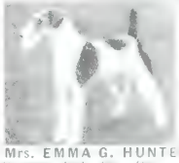


[illegible] leading Schnauzer [illegible] [illegible] and I [illegible] and who [illegible] dog [illegible] in health, [illegible] and character.
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the division between forehead and muzzle. Noting them, I begin to wonder if and how often I've been at fault myself. So, perhaps, have the experts on the breed, if the truth were known. But that doesn't make any difference anyway, just so long as we have the Schnauzer in all his unique and sterling worth, for present character is what really counts.

There are three breeds of Schnauzer—or, rather, three varieties. First and largest is the Riesenschnauzer or Giant, a powerful fellow that measures from 22" to 26" high at the shoulder and is ideally fitted for police work and home protection. Then comes the medium type to which most of the dogs in this country belong—from 16" to 20" at the shoulder. And lastly, that vehement little bundle of energetic fire, the Toy or Miniature Schnauzer, whose height is supposed not to exceed 13" but upon the length, breadth or thickness of whose spirit no man has yet been able to decree a limit. The distinguishing points, other than size, are similar in all these three types. Some of them might be set down as follows:

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All in all, the Schnauzer is a dog for those who don't mind being seen with a non-pollyoddle. He may not be an Adonis in looks, but he does possess fidelity, quick wits and adaptability to any occasion which may arise. Not too large for the home, yet hardy enough for outdoor life, he fills a wide range of American family requirements.

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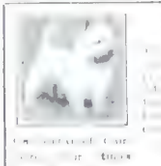
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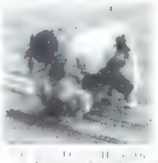


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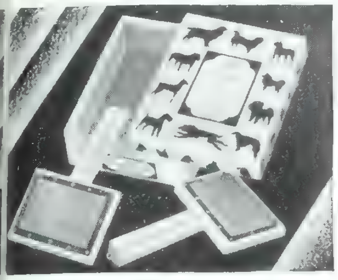
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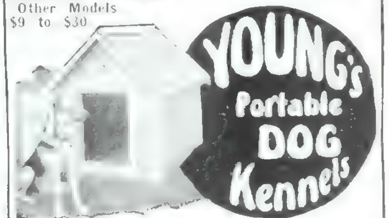
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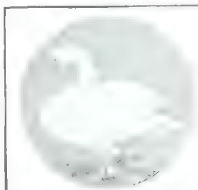
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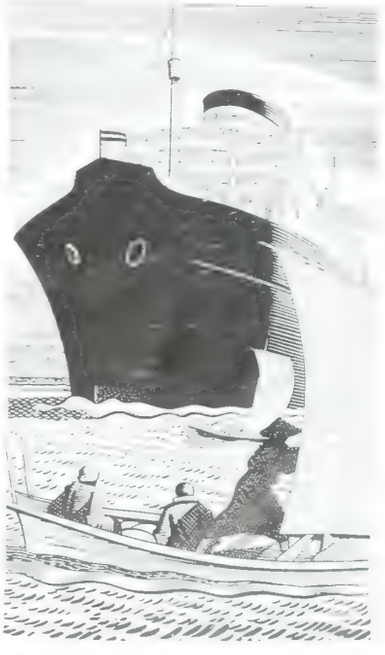
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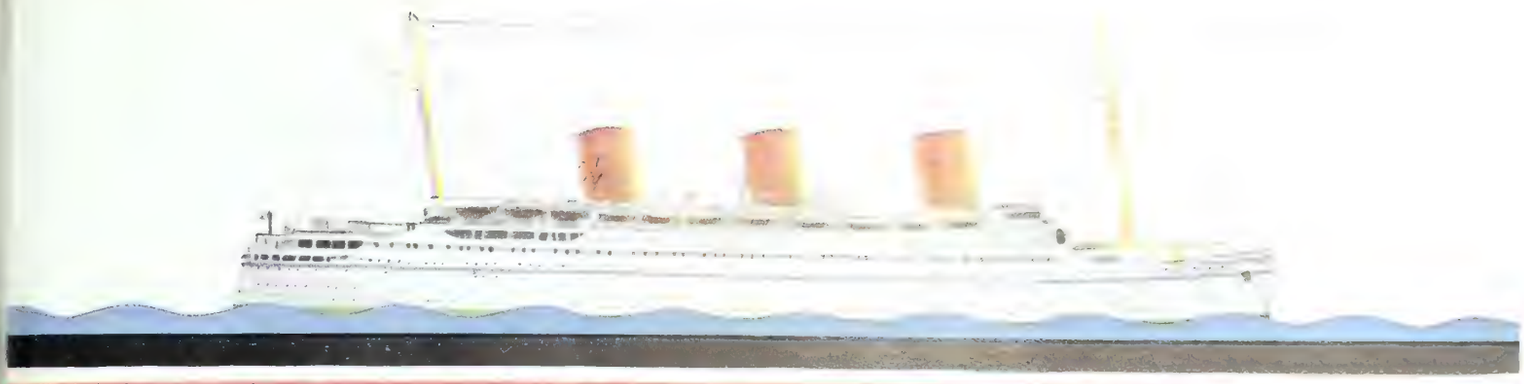
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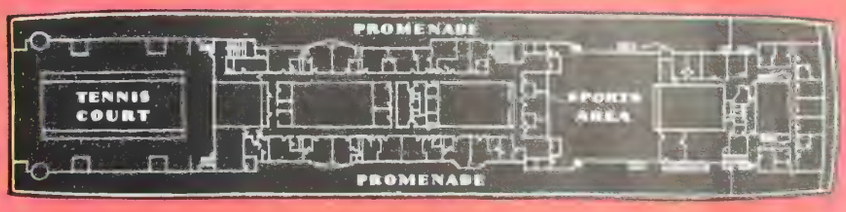
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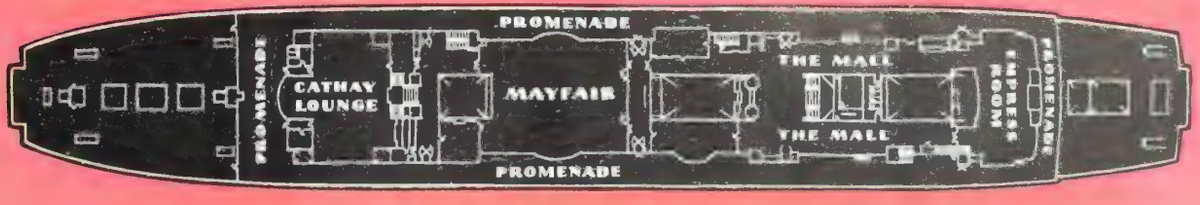
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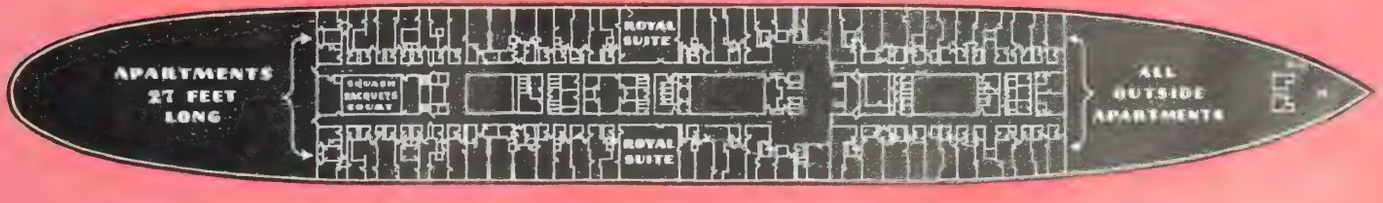
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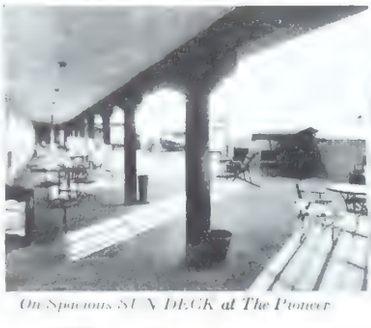


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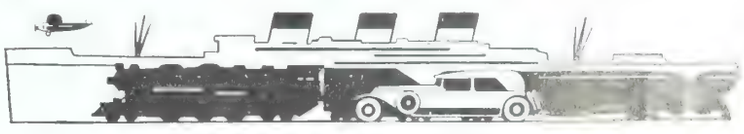
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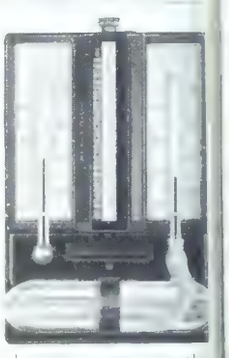
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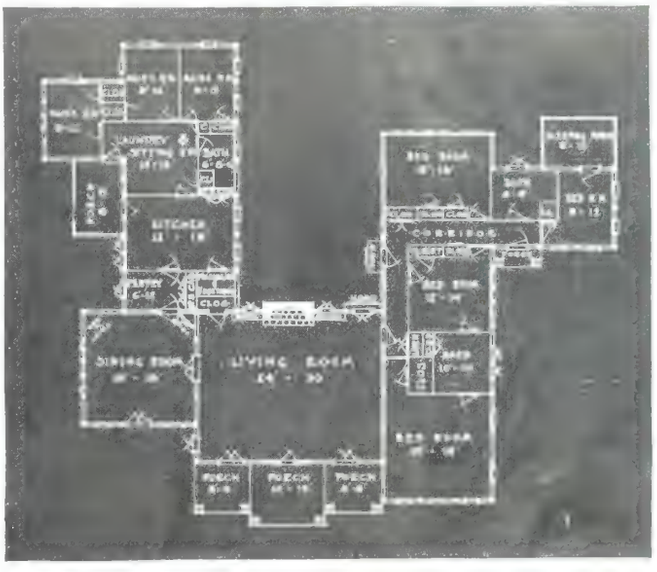
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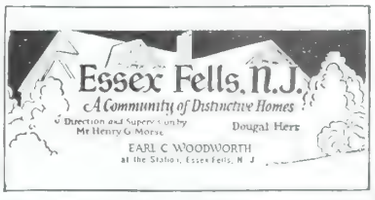
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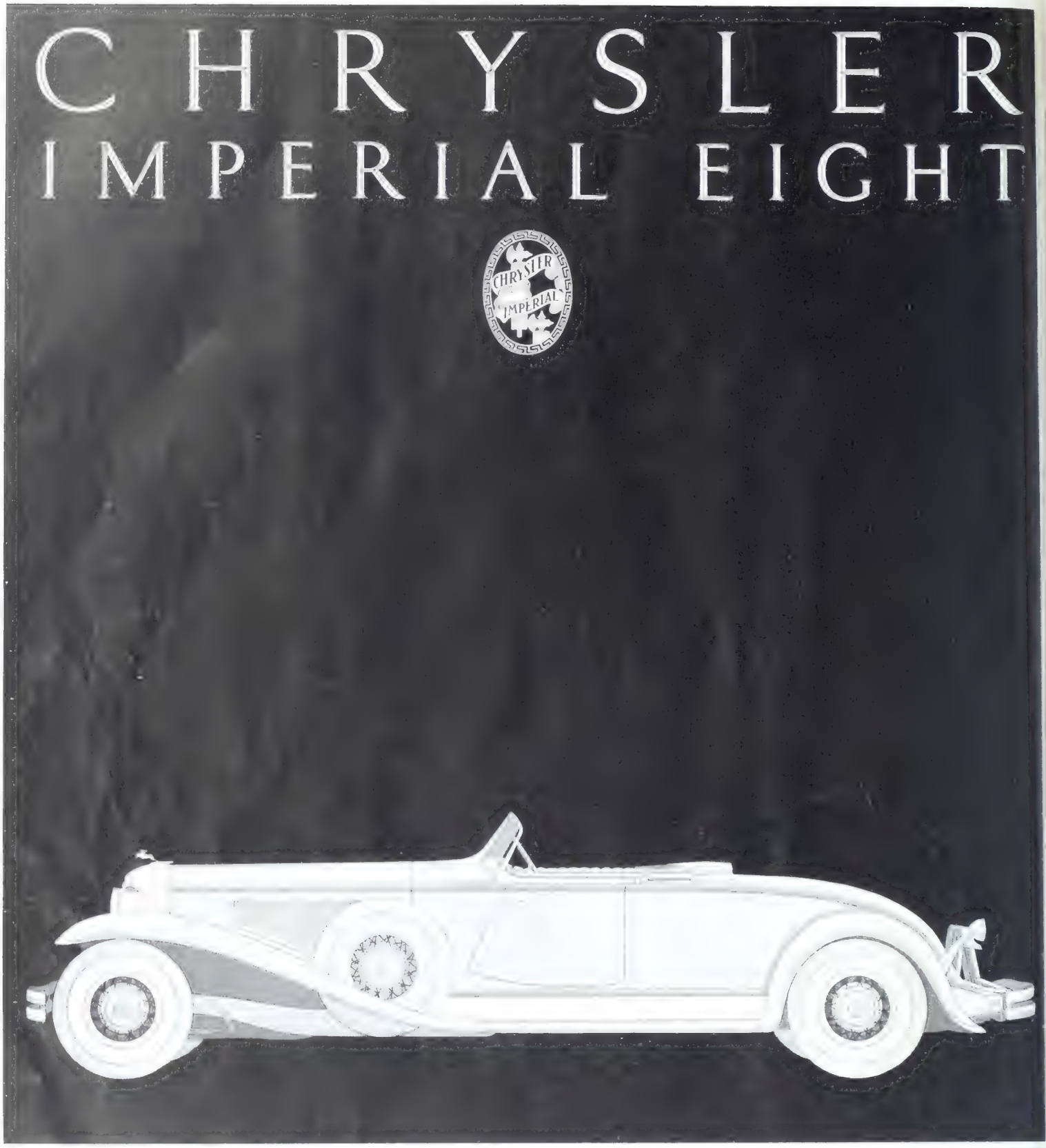
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February 1931

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EVER since the day when bucolic first became a profession, columnists have been rehashing the old quip about the husband whose wife was forever shifting the furniture. So threadbare have they worn it that even an undistinguished campaign to see the why of the sound reason which underlies the [illegible] of the home [illegible]

For [illegible] the furniture [illegible] more than mere status [illegible] normal [illegible] reputable [illegible] ness. Nothing in Nature remains everlastingly unchanged; why, then, should Man's chief [illegible] into the [illegible] of their condition. The periodical rearrangement, whether it takes the form of new furnishings or a fresh [illegible] of the old, is really wisdom in disguise.

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The BULLETIN BOARD

FROM THE SIAMESE. They tell of a famous New York decorator who was discovered one day transfixed before a garbage bucket on a side street—transfixed with ecstasy. From that lowly utensil and its contents she composed the color scheme for a room. It was a pale blue bucket and from it protruded the green and pink and black seeds of a watermelon rind.

Another decorator is now creating a room around her Siamese cat—beige walls shaded to brown at the base, from the cat's coat; seal brown rug from its paws and ears; aquamarine blue curtains from its eyes; the furniture is to be upholstered in tones of brown and beige.

EXCELSIOR. The authorities seem to be divided on the source of the word "Excelsior" as applied to shredded wood. From one we find it as follows—that the representative of a factory in Maine showed these wood shavings to a Mr. Glover, member of Manning, Glover & Co., Boston dealers in bedding and upholstery supplies. The product hadn't a name. Mr. Glover, having attended a concert the previous evening at which he heard Longfellow's "Excelsior" recited for the first time, suggested it be called after the poem. Poplar wood was first used.

One well-known antiquarian claims that the name came from the Excelsior Mills located in the Arkansas Mountains, of which a John Twomley was owner. He made axe, hammer and flail handles and from the butts of wood remaining turned out wide shavings. These were thrown into a machine and torn to shreds and the product was shipped to St. Louis in bales, to be used for packing. This was in the early 50's.

ABOVE OMAR KHAYAM. When Omar Khayam sang, "Alas that spring should perish with the Rose," he managed to tell us something about the Persian climate, for after spring the weather becomes torrid and most of the country is burned dry. Spring, then, was and is a very precious season to the Persians. Of course Roses grow on the poet's grave. They have been identified as *Rosa centifolia*, one of the parents of our Moss and Cabbage Roses.

BACKGAMMON TO WIN. This is the title, *Backgammon to Win*, of *Vanity Fair's* guide to our latest indoor sport. Its author is Georges Mabardi, an Egyptian, born in Alexandria and educated at the Sorbonne. He has been playing Backgammon since childhood and is considered the most informed, scientific and sound exponent of the game. The book includes twenty-seven diagrams in color, and has two chapters by Clare B. Brokaw, associate editor of *Vanity Fair*.

PRIMROSES

THE scent of primroses
In the woods, by the sea
In Ireland
Is the most fine incalescence
It is blent of sea tang
And sea spray,
Of frost and the rustling
Dark heather—
Of the bite of the new grass
And the earth's pulse.
Innocent yet subtle,
It is the breath of Spring,
More than breath,
The very impalpable essence,
The heart's blood of Beauty.

—DOROTHEA DONN-BYRNE.

CHINESE PLANTS TO CHINA. Around the figure of "Chinese" Wilson the legends already are growing thick, but the pleasantest we have heard is that China is desirous of having a great botanical garden and in order to stock it properly has sent to the Arnold Arboretum in Boston for plants discovered in China by Mr. Wilson.

It is also diverting to learn that the American Rose Society has sent to the newly-crowned king of Abyssinia a Rose garden. Though His Majesty's domain lies on the equator, his capital is in the mountains where a moderate climate makes for good Rose growing.

MODERNISM AND SING SING. Though our acquaintance with prisons in general and Sing Sing in particular is very limited, yet we never see photographs of new German modernist apartments and workingmen's houses without thinking of jails. Something about the uniformity, the stern utilitarian ranges of galleries and porches is disagreeably reminiscent of a cell block. To these we prefer the English laborer's cottage and his little dooryard garden and the garden cities that have sprung up in England.

DARK BACKGROUNDS. It may come as a surprise to some that several decorators today are using dark backgrounds in rooms. Of course the room paneled in pine or oak is relatively dark and has always found popular acceptance. This use of dark painted walls, however, is new. Its appearance may be explained by two reasons—that decorators have tired of creating rooms with light walls and that furniture is not so prominent against a dark wall. The piece that is not so good fades into the dark background, whereas against a light wall its defects are glaring.

I blunder the other day; we referred to a a minor made dll fold.

regretfully add the names of Frederick L. Atkins and Jean S. C. Forestier. Mr. Atkins, apart President of the American Rose Society and at the time of his death was President of the Amer- Horticultural occasionally contributed to the pages of House & Garden, was one of the greatest landscape archi- of France. He work in the park of P and his later creation of gardens in international fame. He was author of *Jardins*,

ANGELICA KAUFFMANN. The credit for being the original woman decorator would doubtless go to Angelica Kauffmann (1741-1807). Her career in that line began in 1766, when she arrived in London, made an immediate name for herself, was received at Court, attracted the adulation of such men as Garrick, Goldsmith and Sir Joshua Reynolds and helped found the Royal Academy. It seems that her life was embittered by her marriage. In that, too, she seems to set the pace. Alas, the beginning of all too many excellent decorators seem to start that way. Among students of furniture she is remembered for her painted panels.

BOOKS ON ENGLISH FURNITURE. Since the books on this subject are as the sands of the sea, we have selected only twenty-one titles. Having studied these, the reader should command a comprehensive view of English Furniture: *An Encyclopaedia of English Furniture*, Oliver Brackett; *Jacobean Furniture*, Helen Churchill Candee; *English Furniture of the 18th Century*, Herbert Cescinsky; *Early English Furniture*, H. Cescinsky and E. R. Gribble; *Furniture Designs*, Thomas Chippendale; *The Gentleman and Cabinet-Maker's Director*, Thomas Chippendale; *The Chippendale Period*, C. K. Warren; *English Furniture and Furniture Makers of the 18th Century*, R. S. Clouston; *The Practical Book of Period Furniture*, Eberlein & McClure; *Old English Furniture*, J. T. Garside; *Chats on Cottage and Farmhouse Furniture*, A. Hayden; *The Cabinet-Maker and Upholsterer's Guide*, A. Hepplewhite; *English Decoration and Furniture of the Early Renaissance*, M. Jourdain; *English Decoration and Furniture of the Later 18th Century*, M. Jourdain; *The Decoration and Furniture of English Mansions*, Francis Lenygon; *Furniture in England from 1660 to 1760*, Francis Lenygon; *A History of English Furniture*, Percy Macquoid; *The Dictionary of English Furniture*, Percy Macquoid and Ralph Edwards; *Old English Furniture and Its Surroundings*, Percival MacIver; *The Cabinet-Maker and Upholsterer's Drawing Book*, Thomas Sheraton; *Old English Walnut and Lacquer Furniture*, R. W. Symonds.



"Darkly. Deeply. Beautifully Blue"

Rich, deep blue walls are flattering to furniture and textiles. Shell pink moire curtains are particularly effective against this background, while the cream leather and deep pink chintz of chair coverings, and the cream and pink Aubusson rug, are vastly enhanced by this sapphire setting. Diane Tate and Marian Hall, decorators

Dark Backgrounds—A Dramatic Note In Decoration

Everett Gray Linsley

THERE are many deeply rooted but unfounded prejudices against dark colored walls and woodwork, most of which can be combated only with actual examples of the success of such treatment. Aside from the quiet, peaceful quality of a dark, richly toned background, a quality increasingly important in the hectic life of any city, there is the added virtue of practicality; the inevitable grime of the city serves to add, in time, a bloom which no amount of painter's antiquing can approach.

We all know the beauty of old wood paneled walls but in this era of temporary quarters, their rarity and consequent prohibitive cost make them unfeasible. Plaster walls can be amazingly grained to simulate wood paneling, but there remains always the effect of thinness, a lack of the depth inherent in wood that makes this method of treatment unsatisfactory, even barring the always legitimate objection to imitation.

What better solution then, than a frankly painted surface, giving the painter his due by letting him experiment in the production of darker, richer tones than are now customary, and enjoying the soothing quiet of a really dark background?

In approaching any problem of decoration there are two methods of procedure. First there is the more usual one of selecting the color scheme of background, curtains and floor coverings, with the following system of furniture and incidental objects chosen with agonizing care to fill the required spaces and uses. A fairly quick method, this, capable of completion in six weeks, with luck and infinite badgering of painters and upholsterers. The results can be calculated, alas, far ahead; you know what you are getting both figuratively and actually. We know all beforehand, and therein lies the sole disadvantage. The room is comfortable and pleasing; it is standardized and innocuous; in good taste and impersonal. We can exist in it comfortably enough until we have a restless notion that perhaps if the silk window hangings were might be more "individual." Or we [illegible] more completely irritated and "go modern" [illegible]

The [illegible] is that of arranging a room around an already acquired collection of furniture and objects which seem to fill all the requirement of comfort and utility. In [illegible] although the color scheme comes first, it must be governed [illegible] acter of the existing collection that it at once takes on a secondary importance. Old furniture and ornaments with their inevitable patine demand for best effect a background as mellow as themselves. Except in the case of darkly colored pieces of impeccable line, they do very badly when silhouetted against the light-colored walls of the average apartment.

In all the rooms illustrating this article, dark walls are the outstanding feature of the decorative schemes. And in every instance the somber background is not only



SAPPHIRE BLUE

This additional view of the room shown opposite gives an excellent idea of the effectiveness of delicately colored chintzes, of gleaming gilded frames and creamy porcelain against a dark background. The sofa and chairs are pine, covered in different chintzes having a good deal of pink in the designs. As the rug and curtains are also light in tone, this room is exceptionally colorful. Diane Tate and Marian Hall, decorators

Dyer Dorsey





DEEP GREEN

Walls and wood trim in the room above are a deep, rich green. As a foil for Italian Empire chairs painted cream and gold, a mahogany Empire commode with ormolu mounts, and the gilded frames of mirrors and paintings, no better choice could have been made. There is no lack of life and color here, as the curtains and chair pads are brilliant yellow, the Aubusson rug, red, chartreuse and claret toned. Decorations are by Poynton

VIOLET-BROWN

A collector of old English porcelain chose violet-brown for a small sitting room, as dark walls seemed the most restful solution on account of the numerous accessories. Added to the cream, red-violet and salmon tones of the Wedgwood, Leeds and Crown Derby, old French furniture of white painted wood, yellow silk curtains and an Aubusson carpet in claret, green and cream are greatly benefited by this background. Poynton, decorators

distinguished and different from the ubiquitous pale tints, but in each case provides a flattering setting for both furniture and accessories. Particularly is this the case of the room illustrated on pages 56 and 57, where such colors as beige, tan, brown, pale pink and white have been used in a setting of tête de nègre walls. This room with its assortment of old furniture in mellow wood tones, its varied accessories mainly in brown, pinkish beige and off-whites, its accents of gleaming mirrors and its pale pink ceiling, is vastly enhanced by the rich deep brown of the walls which lends dignity and richness to the scheme without detracting from the necessary light.

In the case of the living room shown at the bottom of page 54, dark walls seemed the only solution on account of the numerous accessories. This room has existed in its present state and color for upwards of three years and the crowded aspect is due entirely to the collecting mania of its owner. And while it has frankly far too many things in it, it does illustrate the qualities of restfulness and dignity found in dark walls.

The background was painted with a flat coat of violet-brown tinged with gray as a setting for a collection of Wedgwood Queen's ware and Leeds, two signed Louis XV *fauteuils* and four oval-seated Louis XVI side chairs painted old white. The *fauteuils* are covered in old velvet, the remains of a full-skirted 18th Century coat in plum and blue-green stripe, and the side chairs have their original silk and wool needlework seats, now silvery gray with age. The curtains of heavy cream-yellow silk, narrowly self-striped, are held back by bands of antique English needlework in dull colors on a brown-black ground bordered by yellow wool fringe. Four Regency side-chairs and a similar armchair are of beech and walnut with cane backs and seats.

As this room is only 12 by 18 feet, making it necessary for the larger pieces to be so covered that they melt into the background, a Victorian sofa is covered in brown-black satin. A large grisaille painting in fawn and brown, a Viennese 18th Century pastel portrait over the sofa in ivory, pink and mauve, and a Louis XVI embroidered panel on old ivory satin also look their best against this dark background. Porcelains and potteries range from the cream and red-violet of the Wedgwood to a pale salmon pink found in a group of Crown Derby cups and saucers. Lamps shaded in translucent taffetas—pale green, lemon yellow and gray-pink—continue the accents of delicate color and give at night a pleasing and subdued light. An Aubusson carpet carried out in claret color, pale green and cream makes a sufficiently dark floor.



Emelie Danielson

The recent vogue of blue in decoration stressed the pale and medium tones such as hydrangea, *ciel* and a delicate French blue, and the greenish blues of aquamarine and turquoise. Newer than any of these and a distinguished medium for a city living room is a deep, bright blue, on the tone of a sapphire. A living room "darkly, deeply, beautifully blue" is illustrated on pages 52 and 53. Here there is no lack of light, the walls having richness and vigor in the daytime as there is no gray in the blue to dull the edge of its tone. At night, owing to the pale pink lights and the varied pinks found in the curtains, furniture coverings and rug, the room gleams with warm color that is

BLACK AND GRAY

Although patterned with a delicate vine design in dull gold with touches of red, this modern wall paper produces the effect of dark walls, as the background is black shading into gray. Wood trim is black with gray moldings and the desk is gray with a black bakelite top and chromium supports. The chair seat is in gray and tan plaid and other furniture in the room is in red suede cloth. The Frankl Galleries, decorators



G. W. Harting

emphasized by the deep blue background.

Another living room distinguished by a dark wall treatment appears on page 54. This was painted a dark, rich green, with no hint of the ubiquitous blue-green so frequently seen in apartment house foyers. As a foil for Italian Empire armchairs and sofa painted cream and gold, and a wide shallow Empire mahogany commode, no better choice could have been made. The curtains of yellow moire match the yellow Empire damask of sofa and chair seats, and a small Aubusson carpet of baroque design in reds, yellow-greens and claret color supplies the required amount of bold pattern. A rococo Italian mirror of carved and gilded wood atones for the severity of a white marble Victorian mantelpiece in this room, while crystal appliques of Waterford design relieve the plainness of two otherwise unornamented wall spaces. Old paintings in dull gilt frames and a long mirror in a gilded frame on a white painted panel occupy other spaces, and panels from a Louis XVI paper screen decorate three doors.

An interesting variation of the dark wall treatment has been achieved in a dining room by painting the walls in a typical 18th Century Chinoiserie pattern in white on a green ground. While lighter in feeling than any of the preceding rooms, the effect is basically the same, with cream-colored Leeds and Wedgwood used for decorative value, and Sheraton mahogany chairs with flowered wool chintz seats providing dark accents. The silvery quality of the white and green walls is a perfect foil for a collection of Sheffield plate and delicately flowered Rockingham with gray and gold scrolls. The windows are left uncurtained save for white Venetian blinds to temper the light.

The effect of a dark background can be obtained with wall paper as it is possible to find interesting designs on dark grounds. An example of this appears on page 55. The background shades from black to dark gray and dominates the delicate vine pattern in gold and red.

With various and endless discussions raging about the value of what is called personality in decoration, it might be wise to pause for a bit to consider that the approach to such problems is always varied, and that personality as such is an incidental rather than an absolute quality in the resulting equation. The most beautiful rooms in my experience have been those which were composed by persons who gave little or no thought to the resultant effect of color and theatrical climax; by persons who followed rather their own dictates of suitability and affection for certain things. There, you will say, is the epitome of personality, but I must add that the results, paradoxically enough, proved that personality to be entirely un-selfconscious.





G. W. Harting

TÊTE DE NÈGRE

The three views of the living room shown on this and the opposite page are convincing proof of the interest and dramatic appeal of a color scheme comprising dark walls and light-toned furniture and accessories. Here walls, trim and carpet are dark brown. The ceiling is pink.

Windows, curtained in beige satin and separated by mirrored panels, silhouette interesting furniture groups. (Opposite) A Louis XVI desk holds alabaster lamps with shades of beige fringe. The painted chair is a Venetian type. (Left) The directoire chairs covered in brown brocaded velvet flank a sofa in tan brocade. The statues are 17th Century pieces executed in carved wood.

All the colors of the room appear in the decorative fireplace group above. Chairs in beige plush and beige leather stand on a cocoa brown, pink and cream rug. Two old French plaster plaques in brown and white, and the overmantel painting of a country house hall further emphasize these same tones. Ruby Ross Wood was the decorator.

Americana Through The Back Door—
An Explanation of Kitchen Colonial

THE interest which is still maintained in collecting Americana is one of those expressions of national feeling that can never entirely die out. It may fade from our consciousness for a time, but it is always latent and ready to spring again into popular acceptance. We never entirely forget our forebears. The ghosts of innumerable grandfathers still haunt the countryside. Their manner of living, the household furniture and utensils with which they surrounded themselves, the books they read and the amusements by which they whiled away such leisure as their times permitted them, are all items of persistent interest. However conglomerate a people we may have acquired through immigration, still that ancient strain maintains its influence, and the keeping of it alive is a form of commendable patriotism.

FROM the viewpoint of the collector, Americana fall into two general groups: the finer furniture and its concomitants of curtains, silver, china and such; and the more homely and humble articles of every-day usage around the household and on the farm. The former type reached its apex in those years when the Thirteen Colonies were being forged into a nation. This magazine calls it Federal Furniture, a name that has been widely adopted.

For those more every-day items that were expressions of rustic skill we use the term Kitchen Colonial. Into this class fall that vast assortment of hearthside furniture made on the farm by its owners or itinerant carpenters and cabinet-makers, that array of household utensils distributed by tin peddlers, or made at home—wool-carders, piggins, butter churns, the domestic shoemaker's bench and even the crude oil portrait painted by wandering artists.

Many of these Kitchen Colonial pieces, in themselves, have very little real beauty. The hearthside bench may lack the fine craftsmanship of a Savery highboy. The rough pewter, poured and hawked by itinerant salesmen, certainly shares none of the admirable technique of a silver teapot by Paul Revere. Nor can the absurd portraits, done by carriage stripers when carriage striping was dull, acquire the same admiration we have for a Stuart or a Saint Memin. Indeed, it is rarely for intrinsic beauty that we collect and cherish Kitchen Colonial. We are drawn to it, however, because it brings down to our time an intimacy with daily living that many a fine product of the Federal Era cannot convey.

We associate Federal Furniture with company clothes and manners; with Kitchen Colonial we associate every-day living—hands soiled with toil, work-worn clothes, women bustling about household duties, noisy children, the smell of a good meal cooking in the crane-hung pots, the domestic incense of summer preserving, family prayers, square dances, corn husking and the folds of rich, brown earth as the plow turned it over in the first days of spring.

These ordinary, every-day affairs are, after all, intensely indicative of a people. To know them is to know the average early American. To preserve them is to keep history alive. They show us the rock whence we sprang.

Because he has collected and reset in their approximate environment these crude domesticalities, Mr. Henry Ford is helping to preserve national spirit to a splendid degree. Both in his restoration of the Wayside Inn and in his collections at Dearborn he has assembled and is assembling invaluable records of ordinary early Americans—the Babbitts of Colonial times. So is anyone who is collecting and preserving these crudities of domestic life in early days. It is America without its powdered wig and brocade coat. It is the Colonial forefather in his shirt sleeves.

PERHAPS some people who trace back their heritage to these Colonists do not care to think of them as ever in shirt-sleeves; nevertheless there is scarcely a one of them but can be found in every-day clothes. The contemporary school of biographical and historical writers are usually advertised as "debunking" the past; what they really are doing is setting up human beings against the very backgrounds and amid the very furniture and utensils that Mr. Ford and the other collectors have assembled. George Washington with soiled clothes and wig awry is even a more appealing person than George Washington immaculate and wearing a halo of adulation. Certainly this gentleman farmer—for that is what Washington was—had enough of the Kitchen Colonial in his make-up and daily life to keep him a very human being. There must have been many times when his boots were caked with mud and he strode into Mount Vernon reeking of the stable.

Not alone were these great and well-known figures often to be found *en deshabille*, but the general run of folks in those days rarely knew anything else. It is a mistake to think of them as always wearing Sunday clothes and displaying company manners. The Babbitts of Colonial times were as ordinary people as Sinclair Lewis' Babbitts of today. The Revolutionary Army was a Babbitt rabble. Almost to a man the Pilgrim Fathers were middle-class Englishmen. Very few of the first Quakers who came to Pennsylvania could claim any aristocratic connections. Except in rare instances the Thirteen Colonies were settled and developed by ordinary people. They were Kitchen Colonists. And they also were extraordinary people because of that very fact.

SOME remained Kitchen Colonists all their lives and their descendants in our Southern mountains have never risen above that state; others, having accumulated a surplus, graduated into the class that bought Federal Furniture. As the bootblack of today is the potential millionaire of tomorrow, so was the Kitchen Colonist of the 17th and early 18th Centuries the potential Federal Furniturist of the late 18th and early 19th Centuries.

Until people began collecting Kitchen Colonial, it was customary to visualize the entire Early American scene as one of aristocracy, fine clothes and splendid furniture from which the taste filtered down to the classes below. Mr. Ford and those who collect the cruder implements and furnishings are reversing this process: they are beginning at the bottom, at the isolated farmer and his wife and their daily drudgery. They are entering the Early American home, not through the carved portal of an admirable Georgian façade, as most of us do, but they have gone around back, and come through the kitchen door.

—RICHARDSON WRIGHT



Jean Wallace Gaches

The Ancient Marks Of The Adze

Time-toned timbers, still bearing the ancient marks of the adze and pegged together in the old country style, form the support of the roof in the living room of this Norman farmhouse, the home of Jay Hyde Barnum, at Silvermine, Conn., of which Foster & Gallimore were the architects



Woods And Their Influence Upon Furniture Designs And Ornament

Katharine Morrison Kahle

EXOTIC and colorful woods have interested the craftsmen from the dawn of history. Today when we hear such fanciful names as amaranth, palisander, granadilla, jarrah, padouk and thuja, they at once bring to mind fantastic tales and visions of far off lands. And as no story is so strange as fact, so the facts and folklore connected with woods are full of romance and godly personages. Simple walnut and oak, which do not stir our imaginations today, were sacred to the gods of mythology. Walnut was known as the "Nuts of Jupiter." Oak, also sacred to Jupiter, in later years was worshipped by the Druids. The prominent part which oak played in the minds of the people of the middle ages is suggested by the phrases "King's oaks," "Queen's oaks," "Thief's oaks," and "Memorial oaks."



The deodar is revered in India and has become associated with our burying grounds because the Hindus planted these trees among the graves of their dead. This was done not so much to protect the graves, but to protect the sacred deodar trees. Simple holly, which was used extensively in the inlay of early English furniture, was credited with magical powers, and newborn children were baptised in water which had seasoned in a stump of holly.

In Egypt from the earliest dynasties the incidents of history and mythology were carved in wood. Among the woods used by the Egyptians were sycamore, tamarisk, deal, cedar, ebony and certain rare woods from the East.

The principal material used in the construction of Greek and Roman furniture was wood. Homer mentions olive wood and Theocritus, cedar. Beds and tables were made of maple, willow and juniper. Citron was especially prized for table tops because of its color and fine grain. Cypress and beech were usually preserved for chests. Indeed, the chest of cypress has become a tradition and since early times has served as the coffins for Popes. Yew, cedar, oak, fir, alaternus, holly, lime and zygia were also used for chairs, stools and beds. Pliny speaks of the vogue for rare figured woods among the Roman plutocrats. Among these exotic woods used for veneers were thuja, persea, box and terebinth and ebony.



The innate qualities of woods suggest the shapes and decoration of furniture to be constructed from them, and woodworkers are always bound by the limitations of the particular wood at hand. In the Renaissance, because of the abundance of native oak and walnut, these became the important woods. Also, because they were found to be excellent surfaces for carving, carving became the principal method of decoration. If the majority of pieces of furniture of this period are decorated with carving, it is because carving seemed more suitable than any other decoration. Also, in spite of the existence of certosina and intarsia on Italian furniture and some Spanish, French and English pieces, there was a scarcity of ebony, box, white poplar and holly, the woods used for this inlay.

To the character of the wood may also be traced the variance in the carving. English Renaissance furniture, since it is mainly constructed of oak, has crude, well defined carving executed in sharp cut relief, while the carving on the walnut pieces of Italy

and France is much more suave, more finished and more sculpturesque.

The 17th Century saw the beginning of the heyday of inlay and marquetry. The oak and walnut furniture of the Louis XIV was inlaid and veneered with ebony and wine-red amaranth. In fact so much ebony was used at this time by Boulle and others that the traditional name of French cabinetmakers dating from this epoch is *ébénistes*. To be sure, Boulle had other woods to use. There were hornbeam, holly and chestnut for white; cherry and yew for red; yellow olive wood and acacia for yellow; walnut for gray and brown; and violet wood for a beautiful violet brown. Then there were always the much less expensive native fruit woods that could be stained the color desired.

The age of walnut in England was also an age of marquetry and inlay and veneer, because walnut was too precious to be used solid. Then too, the cabinet makers appre-

(*Continued on page* 102)

(Right) This interesting modern chair, designed by the French decorator André Groult, is covered with straw applied to form radiating lines on the back. The deep cushion is covered in brilliant plaid wool

The decoration of the Adam commode below is achieved entirely with ornamental woods. Veneered and inlaid with East Indian satinwood, harewood, box sycamore, mahogany, holly and thuja









In the age of walnut in England cabinetmakers used this wood as veneer, making decorative designs with the strongly marked graining. At the left is a walnut secretary with ornamental oyster marquetry. Edward I. Farmer

Decorative marquetry work gives beauty and interest to the small French desk illustrated above. The front and sides are inlaid with various woods to form a beautifully executed floral and scroll design of delicate coloring





The rooms illustrated show excellent examples of Biedermeier furniture made of woods varying from the light apple wood and pale ash of table and chair in the foreground above to the darker tones of Hungarian walnut and mahogany used for the desk and swan sofa

Walls are lemon yellow with gray trim. Curtains of lemon chintz bound in green hang from cornices covered in wall paper. Chair coverings are yellow and green and the Bessarabian rug has a black ground with scrolls in green and henna

(Left) In a bedroom Biedermeier chairs are covered in green and black rep. Walls are white with bright green trim and prints of the typical Biedermeier lady are framed in gray and green. Louise Tiffany Taylor and Elisabeth Low, decorators

Four Rooms Furnished And Decorated In The Biedermeier Taste

IN August 1928, House & Garden, in a comprehensive article on Biedermeier furniture, prophesied a revival of interest in this style. That was the beginning. Not long after, several enterprising decorators began featuring Biedermeier furniture, extolling its adaptability and suggesting its use in both Empire and modern schemes. Such an interesting development in decoration was not overlooked by progressive New York department stores, a number of which were soon exhibiting excellent examples of Biedermeier design. So grew an interest and appreciation of this decorative style which reaches its latest development in the house illustrated on this and the opposite page.

Biedermeier furniture, so named for "Papa Biedermeier", a purely fictitious character enlivening the pages of the *Fliegende Blätter* in the early part of the 19th Century, is the German, Dutch and Scandinavian expression of Directoire and Empire styles. The pieces are a trifle heavier than their French prototypes, more simple in contour and less elaborate. If much Biedermeier furniture seems to lack the delicacy and aristocratic grace of its French ancestors, this omission is atoned for by a vigor and freshness of design and by a brilliant use of contrasting woods. Outstanding in Biedermeier furniture is the employment of ebony or black details with light woods.







(Top of page) In this bedroom with green walls and mull curtains, the bed is covered in green and yellow silk. The chair is an Empire version of Biedermeier and the table at the left is of later date when designs grew to be more fantastic

(Center) Walls are apricot pink with gray trim and the rug is white patterned with pink rose wreaths. The bed of apple wood is a German version of our own sleigh bed. The remainder of the furniture pieces are in light toned woods

(Right) Another view of the bedroom shown on the opposite page. Curtains are white embroidered mull and the rug is Bessarabian. The bed and the small table are the Biedermeier conception of Directoire design. Louise Tiffany Taylor and Elisabeth Low were the decorators

The Care And Refinishing Of Old Furniture

Marjorie Reid Rodes

EACH piece of old furniture which we possess, whether it be a tilt-top table, a prize brought back from one personal adventure or an acquisition through the most prosaic channels, has added possessions. Such pieces give mellowness and dignity to our rooms and form pleasant connecting links between ourselves and that aura of romance which surrounds remote periods and places.

When old furniture comes under our care it is a duty as well as a pleasure to preserve or restore its beauty. Fine wood that has been too long neglected or, still worse, has suffered the indignity of opaque paint, will need a complete "doing over." But even this process is one which the amateur need not hesitate to attempt if the method of the cabinetmaker is carefully followed.

PRIMARY NEEDS

Furniture needs plenty of fresh air and moisture. The tone and finish of many beautiful old pieces have been destroyed by the dry climate and overheated houses in this country. This applies especially to furniture brought from England, which is said to require at least a year to become properly acclimated. The windows should be opened frequently and there should be an uncovered vessel of water in any room where furniture is preserving the months of artificial heat. The air will save the wood from becoming lifeless and dull and the water will prevent dryness and cracking.

It is easier to keep furniture in good condition than to put it back into shape when it has been neglected. All it needs under ordinary conditions is to be gone over every week or two with oil. A rubbing oil may be purchased from a reliable cabinetmaker for the purpose. Boiled linseed oil is equally good and is said to be the only preservative used by several well known collectors of old furniture. Linseed oil is often combined in equal parts with turpentine and white vinegar to avoid stickiness. It should be applied sparingly with a soft wool rag, left on a few moments and then polished with a dry, soft cloth. The rubbing should continue with moderate pressure

[illegible] and then all oil removed either at once or [illegible]. Oil repeatedly left on the surface will spoil the polish.

Rubbing with oil will usually cover superficial scratches. If surfaces are deeply scarred, or cracked, they are sometimes filled with a paste of thick gum arabic colored with dry pigment to match the wood —Venetian red for mahogany, raw umber for maple, etc. A hole where the wood has been entirely gouged out may be filled by using stick shellac of a matching color, melted on a heated knife blade.

Waxed furniture may be renovated by an application of liquid wax instead of oil and a daily dusting with waxed cheesecloth. One mixture of beeswax and turpentine may be used, as described further on in a formula for refinishing. Some prefer this to oil polish on any type of surface, but it needs more rubbing. Varnished furniture which has grown dull will be revived by a sparing use of crude oil on a piece of flannel, which should be followed by a vigorous rubbing with soft silk. To restore a hard glazed "French polish," use equal parts of turpentine, vinegar, alcohol and plain linseed oil. If furniture has developed that cloudiness known as "gloom," it should be sponged with cheesecloth wrung out of the following mixture: one tablespoonful of vinegar, one tablespoonful of linseed oil and two tablespoonfuls of turpentine in a quart of hot water. This treatment should be followed by a light wax polish.

REFINISHING

Many old pieces, unfortunately, have been improperly finished or painted, and the only thing to do is to clean the surface and begin over again. If the old surface is wax, sponge it first with turpentine and then use a painter's scraper. For paint or varnish, a paint remover is usually necessary. This should be brushed on in a well ventilated room and left until the finish is soft and easily scraped off, the surface afterwards being washed with denatured alcohol or benzine as called for by the brand of remover used. Where ink or other stain has sunk deep into the wood it is best to use hydrochloric or oxalic acid as a bleach. A few teaspoonfuls in a cup of warm water are sufficient. Rub the solution on with a cloth and repeat as many times as necessary, allowing each coat to dry. Wash off the residue with soap and water.

When a surface is thoroughly clean and dry, it must be made smooth before any new finish is applied. This should be done with fine sandpaper (No. 00), supplemented by fine steel wool to be used for crevices and rounded surfaces. It is sometimes helpful to fold the sandpaper over a flat block of wood. Always rub with the grain. The entire surface must be smooth to the touch and all particles of dust must be wiped off with a soft cloth before refinishing.

FOR UNIFORMITY

Various solutions are used by cabinetmakers to get uniformity and depth in wood tones, particularly where a piece has been patched with new wood. For mahogany, a saturated solution of bichromate of potash may be used, applying several thin coats. This tends, however, to darken the lighter woods too much. On maple, permanganate of potash may be applied in the same way. Pine is sometimes treated with a tablespoonful of household lye and two of strong washing powder, dissolved in a cup of water. This is especially useful in matching new wood to old. Linseed oil will darken and enrich the wood tones but its effect should be tried out in an inconspicuous place as its action varies. One piece of wood will be mellowed and beautified by the oil, while another will become too dark, and quite lifeless. Dilute the oil with one-third part benzine, apply it liberally with a stiff brush and allow it to stand twenty-four hours, after which the surplus should be wiped off. All caustics mentioned above should be used with considerable care to avoid the chance of injury to hands or clothing.

If the tone of the wood is to be definitely deepened or changed, it is best to dissolve a small amount of pigment color in turpentine. Raw umber used on such woods as birch, poplar, pine, whitewood and the fruit woods

(Continued on page 110)





Richard Averill Studio

In addition to arresting color schemes, the interiors on this page illustrate practical and effective furniture groupings. Although the rooms are limited in size, the numerous pieces have been so artfully placed that there is no sense of overcrowding. In the living room above, walls are pine, the carpet a rich bottle green and the damask curtains flame color. The sofa is covered in flame and green linen. Chandler Ireland is the apartment's owner and decorator

Walls and woodwork in the breakfast room at the left are pale green, this color suggesting space. Flooring is black rubber inlaid with brass stars and the curtains are modern voile in three shades of green. French furniture is appropriately small in scale. (Below) Chartreuse walls, blue ceiling and Venetian blinds, and a burgundy carpet are striking color notes in a French bedroom. Curtains are of Directoire chintz in chartreuse, green, blue and burgundy



Well Arranged Furniture And Interesting Colors In A Decorator's Apartment



At Lidingö, an island township outside of Stockholm, is the home of Carl Milles, the noted Swedish sculptor. Superbly situated on a promontory overlooking the Baltic, the rambling house with its terraced garden offers many ideas in decoration adaptable to this country. Furnished for the most part along traditional lines, the rooms show a variety of distinctly Swedish detail

Outstanding among the many interesting interiors is the library, illustrated above, distinguished by a Classic background and Swedish furniture of Empire design. Walls are pale gray with cornice, stiles and dado finished a deeper gray; moldings and ornamental details are picked out in antique white. The furniture is gray with white decorations, upholstered in green satin. On the parquet floor is a hand-woven Swedish rug

Swedish Empire Furniture

And A Tiled And Painted Breakfast Room

In A House On The Shores Of The Baltic





(Above) A small breakfast room is very light and gay owing to a color scheme of white, brilliant blue and green. Walls are white decorated with blue and white tiles. The built-in dresser, with its charmingly shaped door frames, is white ornamented with painted decorations in bright blue. As the round window frame a lovely vista of garden and sea, it is left uncurtained.

At the left is a view of the adjoining kitchenette where the walls are marbleized pale gray and white, with deeper gray wood trim. The flooring here and in the breakfast room beyond is green strié linoleum highly varnished. The round recessed window is repeated in this room and above it is an ornamental lighting fixture of creamy opaque glass in the form of a graceful shell

A Review Of Individual Gas Systems For Country Homes

Elizabeth Hallam Bohn

SHINING cylinders of high-powered gases make it possible for the country dweller to use one of the alluring new models in efficient gas ranges, water heaters, refrigerators, laundry equipment, radiant heaters and even lighting systems. While for those who spend their summers on the water this wonder fuel is put up in more compact form to make yacht or houseboat a rival of home in completeness of kitchen comfort.

There is a formidable list of gases to perplex the seeker after the most suitable sort for his use, and the matter of local service will often be the determining factor in choice between many satisfactory varieties. The simple equipment required consists of two steel cylinders, snugly fitted into a locked steel cabinet which is mounted on a concrete base located outside the house.

OPERATION

These cylinders contain the concentrated fuel—a product of natural gas, refined, purified and compressed. Most of the tanked gases are in gaseous form at room temperature and the fuel is drawn from the top of the cylinder through a reducing valve which cuts the pressure down to the amount required by the appliance it is serving. Safety devices prevent the building up of too high a pressure in the house. Direct from cylinder to the appliance the fuel is piped, exactly the same as city gas. Indeed, should urban service become available, the piping is ready for the transfer. When one cylinder has yielded up its contents, the turn of a switch connects with the second container and a call to the service man brings a fresh cylinder to the door.

Other gases are liquid and draw from the bottom of the tank, first reducing from high to low pressure and then to gas, or demanding a special pre-heating burner to gassify the fuel.

Final proof of the safety of the equipment under consideration, is the approval of the Underwriters and a definite check-up should be made, before a purchase is consummated, that the particular brand has passed their rigid specifications.

Many of the liquid gases are offered with the claim that they will serve any existing equipment. A slight change, however, is necessary in the burner to allow of a greater air supply. For the bottled gases on account of their extreme heat and purity need nearly seven times the amount of air necessary for the combustion of ordinary gas. In the new appliances this adaptation is made at the factory and in ordering any equipment for these fuels, the name of the gas to be used should always be given. Where an older stove or water heater is to be equipped with the new gas, the service man who installs the system will make the change and no one else should be allowed to have a hand in this adjustment.

With a perfect balance between gas and air, the flame will have a bright blue inner cone, sharp and clear, with an almost invisible edge of pale violet. This is the hottest and most efficient flame possible. Where air is insufficient, the inner blue cone is blurred, and slack and yellow tips appear at the edge. Not only is such a lazy flame not as hot, but it will leave a discouraging and highly unnecessary trail of soot on shining saucepans. Sometimes this yellow-tipped flame is merely an indication that there are only a few hours of fuel left in the cylinder. Too much air causes flame to lift away from burner.

EQUIPMENT ADVICE

A few of the manufacturers sell their equipment only in units with range complete, in order that the most satisfactory results may be obtained. For there is no doubt that sometimes blame is placed on the fuel when, in reality, leaky joints or too great radiation may be causing waste of gas and poor results. Other companies coöperate with the manufacturers of equipment and maintain services to advise on which equipment will best suit individual needs. For instance, a simple arrangement of a water heater has been devised which is economical, gives hot water quickly for kitchen use, and if operated for a longer period will heat the contents of a tank. A great saving of fuel is effected by the insulation of the tank.

Laundry equipment such as mangles, ironers and clothes dryers, all come within the scope of bottled gas service. Radiant heaters send out their grateful rays at the advent of a cold snap. And where the old-time servant still insists on a perpetually boiling tea kettle and a constant fire, there are the combination coal and gas ranges to supplement the comfortable coal range with the more flexible fuel.

GAS REFRIGERATOR

Then there is the newest comer in the gas-served field, the gas refrigerator, carrying on its silent benefactions through a tiny constant point of gaslight and a trickle of water. Here, too, the kind of gas should be specified when ordering a refrigerator, for the burner must be closed down to consume much less gas than is required with the manufactured product.

It is difficult to estimate the cost of comfort, of speed and of complete cleanliness, all of which are provided by efficient gas devices served by bottled fuel. Even the comparative cost in dollars and cents can only be roughly computed. For no two families do the same amount of cooking. In one home, canning and jelly making may be part of the routine, with long time roasts and puddings to satisfy a large family's appetite. In another, efficiency in operating may be the chief consideration. In still another family there may be a prodigal cook at work who lavishes goodies and gas with the same generous hand.

In comparing bottled gas with the cost of city gas, an old bill will give the number of cubic feet used in a month. One cylinder of this particular gas equals approximately 5,000 cubic feet of city gas, so the monthly cost is easily computed.

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For detailed information about any of the gas systems mentioned in the article, the names and addresses of manufacturers or recommendations which will apply to definite localities will be promptly furnished on request to House & Garden Reader Service, 420 Lexington Ave., New York City.



Samuel H. Gottscho



A flavor of Victorianism pervades this bedroom in the home of Mrs. J. H. Ottley, Glen Head, L. I. where early 19th Century rosewood furniture is combined with mahogany of an earlier date. Delightfully reminiscent of the best phases of Victorian decoration are the flowered walls, festooned curtains and swag drapery about the base of the chaise lounge

Walls are covered with a white ground paper patterned in a gay design of rose clusters and lace. The curtains are of yellow percale trimmed with a rose flowered border and finished with a swag valance. Flower bordered white muslin makes the bed hangings; the bedspread is of old hand woven white cotton

Upholstery fabrics used in this room are unusually colorful. The side chairs are covered with yellow percale decorated with a painted design of roses. On the sofa in the far corner is a small patterned chintz having a yellow ground. The chaise longue is upholstered in red satin. The plain toned rug is a grayish taupe shade

Thedlow, Inc.

Decorators

A Portfolio Of Eight Bedrooms Illustrating French And English Decorative Treatment





That furniture of different periods can be combined successfully is apparent in this interesting bedroom where the pieces are a mixture of French and English styles. Beds, desk, corner table, and chest are 18th Century English; chairs are Directoire and the chaise longue is an English interpretation of Directoire

Walls and wood trim here are soft yellow and the curtains are of green ground percale patterned with red and yellow flowers. A yellow chintz sprinkled with red rose buds makes bed curtains and valance. Beds are painted light green with design in gray-white; spreads are of old embroidered white mull

Two benches have pads in red, green and white plaid silk; the chaise longue, painted black and gold, and the chair in the window are covered in red satin. The Directoire armchair is in red and white striped percale. Room is in the residence of Mrs. E. Mortimer Barnes, in Glen Head, L. I., Thedlow, Inc., decorators

This Bedroom On Long Island Is Decorated With Mixed French And English Furniture

French Furniture And Decorative Schemes Dominate In Two Country House Interiors

A charming French provincial guest room in the home of Mrs. E. Mortimer Barnes in Glen Head, L. I., has bed alcove faces and dado paneled in oak. The remaining walls, window curtains, and the hangings and spreads on the recessed beds are of red, pink and white toile

Chintz with an eggplant ground patterned in red roses and green leaves covers the chaise longue and slipper chair. The rug, which was woven especially for this room, is pink, red and white. Furniture in the French provincial manner, is of oak and fruit woods

(Below) Another unusual guest room has red and blue wall paper, embroidered muslin window curtains with blue and white checked silk valance trimmed with plum colored bows, and mixed French provincial and Colonial furniture pieces. This bedroom is in the residence of Mrs. Carroll Alker at Brookville, Long Island, of which Thedlow, Inc. were decorators





Samuel H. Gottscho

Antique Scenic Paper And Effective Use Of Flowered Percale For Walls And Curtains



(Left) Old scenic paper forms an interesting and colorful background in another guest room in the Long Island home of Mrs. E. M. Barnes. Wood trim is painted blue-green, the dado being painted to simulate paneling. Bedspreads are green percale and the voile curtains hang below blue-green taffeta valances.

A decorative feature of the room below is the use of brown printed percale for both wall covering and curtains. The dado and fireplace wall are paneled with pine wall paper; cornice is pine. Antique Louis XVI beds, old white with blue decorations, have bedspreads of brown, white and blue checked taffeta.

The wing chair is upholstered in a brownish-plum quilted petticoat. One armchair, painted a light blue, has a covering of old blue and white chintz. The residence of Mrs. Carroll Alker at Brookville, L. I. Thedlow, Inc., decorators.





Samuel H. Gottscho



(Above) Also in Mrs. Alker's Long Island home is this charming bedroom distinguished by a delicate and unusual background. The walls are carried out in old white, painted in the 18th Century Italian manner to simulate plaster decoration. The narrow bands which form the panels are pink with rococo decorations in white

The bed covering, spread and canopy of old French flowered percale with a white ground are bound in cherry red gimp. Cherry color also is the satin slipper chair. The armchair is painted white and upholstered in flowered chintz; red and white striped chintz covers the side chair at the window. The carpet is taupe

(Right) This charming bedroom for a young girl has an appropriate wall paper of white satin and lace stripes, with a lace and ribbon border. Window curtains of white taffeta have an azure blue satin swag valance trimmed with white cotton fringe, and soft white voile makes the bed canopy

Canopied Beds Hung In Delicately Toned Fabrics Reflect The Country Atmosphere

Silverware From The Orient

A Glossary For Collectors

Mr. and Mrs. G. Glen Gould

ALMOST [illegible] Orientals did not and do not use silver for domestic purposes, especially for tableware as is done in Europe and America. The fact that complete table services of either silver, [illegible] Ch'ien Lung period (1736-96), quite as distinctly as in Georgian England or 18th Century France, [illegible] permanently. Despite the distribution of silver plate [illegible] even in America, [illegible] all lines in the Orient have been [illegible] confined to royalty, the nobility and the few notable families that have acquired wealth.

Oriental silverware of such varied provenance as Persia, China, and India, can be grouped for the [illegible] Continental Europe, and for more [illegible] room. The artistic [illegible] of the others very [illegible], and Chinese medallions and Persian arabesques were interchanged. Religion, too, played a common part, [illegible] Buddhism and Mohammedanism. Each [illegible] fully preserved symbolic motifs and modes of decoration, and [illegible] symbolism were not considered unfit for articles of household use.

Much less [illegible] known, as a matter of general information, of Oriental silver-work than of Occidental. It is as a whole somewhat extraordinary to Western taste, largely because of its lavish ornament. Not that "grotesque and extravagant fantasy" are natural to the Oriental craftsmen, as is claimed, but tradition and symbolism—religious, philosophical and literary—are essentials of decoration and so must be interwoven and enriched in the ornamental design. Symbolism is often outstanding in China and Japan; hidden in cryptic meanings of trees and flowers in Persia; and either bold or cunning in the script-adorned [illegible] of the Saracens. As to the [illegible], they [illegible] bowls as is undreamed of in our Western World, for the bowl in the Orient is often plate, dish and cup combined. Cups, tumblers, shallow saucers, plates, jars, jugs, [illegible] of many forms, with or without handles, goblets, tazzes, buckets, basins, rose-water sprinklers and above all the suave outline of the boat-shapes rival the [illegible] work of the West.



Bronze is China's favorite art metal. Enriched with precious metals, as in these vases, it becomes superb. A dragon design and one of magnolias are in silver and gold. American Art Association—Anderson Galleries, Inc.

Behold an interesting collection of [illegible] Persian and Indian silver cup holders, executed in pierced and filigree work, made to hold [illegible] cups for tea and coffee. These are shown by courtesy of Daniel Z. Noonan





Beautiful Indo-Persian silverware in filigree and pierced work was not confined to jewelry alone, but was used also for such domestic articles as those above. Courtesy of Daniel Z. Noorian

Syro-Egyptian brass-work was frequently enriched by inlaying the design in silver and gold, as in this incense burner, second half of 13th Century. Shown by courtesy of The Metropolitan Museum of Art



Decorative processes include *repoussé* hammered work, chiseling, chasing, enamel and filigree, inlaying or damascening on other metals and work in the round for statuettes.

When Oriental silver objects are brought home from Asia, bought at home from a dealer or at an art auction, all too rarely does any definite information change hands with the object. Orientals, if we except the Japanese, are not forward in volunteering such information to a casual purchaser, but to any one with what they deem "an understanding soul" they will give of the riches of their ancient knowledge with a magnificent gesture.

Arabian: See Saracenic.

Armenian: Mesopotamian, and later Persian and Saracenic influences. 16th Century work notable. Beautifully wrought book covers for the Gospels.

Asia Minor: Greek classical influence mingled with that of Mesopotamia and Syria, and later Saracenic influences. See Saracenic.

Assyrian: See Mesopotamian.

Burmese: Silver vessels exclusively for royal use until mid-19th Century. Old work—very light weight, figures in low relief; Chinese and Indian influences. 18th-19th Centuries—European and other foreign influences. Two 19th Century schools of work—Rangoon: restrained, accurate, formal; Thayetmyo: free, bold, less exact. Chasing, *repoussé* and detached figures typical, with piercing and burnishing of parts of design. Bowls, cups, betel-nut and lime boxes typical. Bright silver design on black ground a favorite.

Chinese: Prehistoric use of silverware, ancient pieces usually attributed to pre-T'ang period. Han Dynasty (206 B. C.-220 A. D.) and earlier objects in bronze with elaborate silver inlay; vases, cups, mirrors, lanterns, etc., all of silver or parcel-gilt; delicate inlay, *repoussé* and pierced work; ornament typical of period—spirited figures, mythological animals, scrollwork, and fret. Distinct change of design in T'ang period (618-906) and later; floral, foliage, and animal motifs more realistic, especially graceful and beautiful in Sung period (960-1277); extremely low and delicate relief typical. Bowls, boxes, chatelaines, chopsticks, cups, ladles, spoons, saucers, ornaments, statuettes, scholars' articles, hair ornaments, scissors, sacred vessels, table and toilet wares of silver or bronze with silver inlay. Pierced balls for incense or perfume suggest the Moorish balls of Spain though of different design. 13th Century—*cloisonné* enamel with silver bands. 14th Century—inlaying on small vases and art objects extremely delicate; fantastic and rural designs predate the French *Directoire*.

Little silver inlay on bronze since 16th Century. Entire table-services of silver, gold, or jade, used since 17th Century. 18th Century—great luxury, especially in Ch'ien Lung period (1736-96); many charming trifles: snuff boxes, opium boxes,

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Heather and the various trailing or spreading forms of Juniper combine excellently as ground covers on exposed, sunny slopes. They are perfectly hardy and offer abundant variety in color, form and general effect. Here they are shown in the Henry Sanderson garden, Oyster Bay, N. Y.

Miller Edward H. Hewitt

Plant Carpets To Spread On The Garden Floor

P. M. Koster

WHEN all has been said and done, Nature is the greatest of landscape architects. Her colors never clash, her compositions are marvels of design. From an overwhelming wealth of material she selects wisely, planting sparsely here and lavishly there. From tallest tree to lowliest creeper, each is fitted perfectly into its place. Her effects are as varied as the materials which enter into them, but of them all perhaps none is more successful than that achieved with ground-cover plants.

What a varied company they are, these broad plant carpets spread across otherwise bare ground! Trailing-arbutus, Bearberry, Wintergreen, Bittersweet, Violet, Clover, Daisy, Goldenrod, Aster, Dwarf Blueberry, Trailing Arbutus, Anemone—running the whole gamut of colors and forms. Their splendid example may well be taken to heart by us in planning our gardens.

To be sure, on some ways we are more exacting than Nature, as we want more lasting effect than many of the native wild-flower cover crops. We want evergreen effects, attractive all the year round, or perhaps a blanket of flowers and attractive foliage. The design of the garden may demand ground covers of even height in some places; in others a billowy effect may be sought. The color of flowers and foliage must stand a severe test; some, beautiful by themselves, lose their charm when shown in masses. Dead flower stems or unsightly remnants of plants are ruled out. The plants must be able to stand trampling upon so that we may pick weeds if necessary and keep them in shape.

We need ground covers some of which will grow in dense shade, others in full sunlight and others again in partial shade. They must be long-lived; once planted, they should be beautiful and useful for a succession of years. If empty spaces occur, the plant itself is expected to fill them and crowd out presumptuous weeds.

Too seldom are conditions created that are favorable for the plants to develop all these qualities. We will select, if we know or are properly advised, the right kinds for shady or sunny places, but as to soil, most people go to very little trouble. In many instances the plants must be contented with mediocre soil, be it light or heavy or sandy.

To obtain the best results, proper care must be taken of the soil before planting. It should be well plowed unless the roots of existing trees prevent such treatment. Especially in low places the soil must be plowed or spaded deep, to secure the proper drainage. If large spaces are to be covered with ground covers, it is advisable to sow a crop of Cow Peas or Hairy Vetch or Oats, in order to supply humus to the soil and at the same time destroy many weeds; very few need fertilizers.

Ground covers are particularly useful where grass refuses to grow, as under big trees and in shady places, near steps and stone walls and fences or other places inaccessible to the lawn mower. They are of value as a border between the lawn and the house or between our hedges and the walks; as well as next to our evergreen groups or rock garden. In all these places grass may be just as beautiful but the proper care of grass in such places takes a great deal of time, whereas the proper ground cover will not need any attention.

In larger gardens ground covers are an element of beauty. An embankment planted with them, a clearing between the woods covered with a sheet of flowers in spring or summer, accompanied by lovely foliage, is very beautiful. Separate groups of conifers or shrubs, not too far away from each other, may be effectively joined in one planting by a suitable ground cover. An edge of ground covers of different greens and flowers, between the lawn and the woods, enhances the design and color of the garden.

There are several other places where the skilled landscape architect, knowing ground covers well, can plant them successfully; by doing so he will take the garden out of the class of standardized types. Nature certainly does not standardize, and gardens should not; the available material to make them is too rich to justify such action.

Which are the plants answering the many requirements outlined thus far? There are too many for all to be mentioned. Some are now extensively used, like *Pachysandra terminalis*, the Japanese Spurge, which is almost as indispensable as grass. Others are used here and there but they are always beautiful if used right. To give a comprehensive view of the principal ground covers they may be divided in two groups, those which are evergreen or nearly so and those which are not. This classification will render it possible to make an intelligent choice. Let us first consider evergreens.

Arctostaphylos uva-ursi, Bearberry, is one of the most interesting ground covers we have; it is widely spread in America and the Highlands of Scotland and Wales are covered with it. It is a low trailer, forming a dense mat of dark green, leathery foliage, blooming with small clusters of pink flowers from April until July. A scarlet fruit

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For a moderately formal year-round effect there is much to be said in favor of English Ivy. Grown as a ground cover, and protected with leaves or a few evergreen boughs in winter, it is hardy well up into New England



Verdi Lucas—House

Worthy Annuals To Enhance The Rock Garden's Corners

Louise Beebe Wilder



KEEN rock gardeners, I think, rank no other entry so high as the annual among their precious mountain plants. As a matter of fact, if we are making a strictly alpine or high mountain collection it goes without saying that jewel annuals must indeed be relegated out. Mr. Correvon in his fine new work, *Rock Gardens and Alpine Plants*, has this to say: "Annual plants, so abundant in the vegetation of our plains, are almost entirely missing above the snow line. Up there the short summer does not allow these plants to accomplish in one season the complete cycle of their existence. The only species which are not perennials are some Euphrasias, some Louseworts, and one or two Gentians."

But—and there must always be many but where lowland rock gardens are concerned—in our rock gardens where circumstances alter cases, in many instances annuals may be used with the greatest propriety in the rock garden, even a quite exclusive one. They may be used to repair the ravages of an unusually severe winter, to fill blanks among the hills while the toe of one's [illegible] to the whetstone to be good, dared not expensive—perennials. Annuals may be called in to do a common service in carrying color into the summer and autumn months when rock gardens are not commonly at their most colorful, and not the least important of their missions is to spread a bright coverlet over the bare places which have been left by the subsided spring bulbs.

Yes, certainly there is almost no limit to our uses of annuals in the rock



From California comes a charming Poppywort, Limanthes douglasi, whose slender, half trailing stems carry many large, frail blossoms that are white with a yellow base. A strong growing annual that self-sows and tends to override less sturdy neighbors

Baby Blue Eyes is the name often given to the Nemophila, a well known California annual. One of the choicest species is N. maculata, a little plant of spreading habit that does well in a shady place and bears white flowers with a purple spot on each petal

Drawn by E. Mayer

garden as there is in the level beds and borders of the main garden. But—and this is a very large but, indeed—not just any annuals of dwarf stature will do by any means.

Certain low-growing annuals, by reason of an appearance of finish or sophistication—an appearance more readily sensed than described—or because of their association in our minds with the ordinary border world, are not suitable for use in the rock garden. There is of course no hard and fast rule governing the use or exclusion of certain annual plants in the rock garden; it is merely a matter of taste, a sense of fitness that admits some and shuts out others. For instance, it seems very plain to me that dwarf forms of Zinnias, Marigolds, Snapdragons, Ageratums and the like should be banned, and likewise such naturally low-growing plants as Sweet Alyssum, Candytuft, annual Pinks, Dwarf Morning Glories, Mignonette, *Phlox drummondi*, Nemesias, Nasturtiums, Petunias, Verbenas, Lobelias and so forth. These belong essentially to the larger masses of the borders.

On the other hand there are numerous plants that look at home among the stones of the rock garden and among its small citizenry. But few books on rock gardens identify them for us. Mention may be made of one or two, seldom more. I have been searching out and experimenting with these small annuals for many years and the information that follows is the result of these experiments. No one will want to grow them all in one season; indeed it is not possible to find them all in seed lists every year. They come and go. But many of them have great charm and it is interesting to make the acquaintance of a few each season until it is known which will best fill our requirements. Many of them, it will be noted, are California wildflowers and among these are some of the very prettiest.

As in the case of all annuals, the chief necessity of the dwarf kinds is plenty of air and elbow room. They should be thinned out drastically as soon as they are of a size to begin crowding each other, and again if later they seem not to have full space for healthy development. They must be watered, weeded and kept from seeding if a long season of bloom is sought. Some it is best to start indoors or in a frame, transplanting them outside when settled weather arrives; some will self-sow and be on hand for years once they are admitted; nearly all require full exposure to the sun; some are sweet-scented and therefore doubly welcome. All those named below justify admittance because of some charm or for the gaiety of their blooms. A few biennials are included.

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Any sunny place suits Venus' Navelwort, a dainty, graceful small plant that grows about ten inches high. Its profuse milk-white flowers and soft gray foliage give it a pleasant, soft effect. It is a native annual of Spain and Portugal, flowering during the summer and autumn

Pentstemons That Bring Rainbow Colors Into The Garden

Anderson McCully

It is difficult to understand why the Pentstemons are so little known in America and us. Like the ribbed rainbow's end that leads us right back to our own dooryard, many of them are brought back to us from European nurseries, though they are all, with the one Russian and Rocky Mountain exception of *P. pinifolius*, strictly American plants.

Pentstemons resemble the rainbow not only in the end, but also in their brilliant range of color—no more striking true blues, reds, violets and purples are found in the plant world. There are also a few whites, creams and golden yellows. Their season of bloom is long and comes to its greatest best late in summer and on through fall. High summer's heat seems only to call forth a fuller burst of glory—so great sometimes that weaker plants die with the effort, though leaving seeds that may be sown for a goodly progeny to follow.

There are at least one hundred and fifty American species, besides the splendid race of horticultural hybrids. Among them are so many differing habits, forms and colors that we can use them all the way from tiny rock garden crevice to largest border. One thing they do ask for is sun. The hybrid *barbatus* varieties and some of the Mexican types need considerable winter protection in coldest gardens; but when this is not readily available, they may be treated as annuals by sowing seed indoors or in a frame during early March.

The taller border types, particularly the hybrid forms, do best in rather a deep, rich soil. The lower growing high mountain forms are often more pleasing when given rather spartan treatment. In nature many of them come from talus slopes and other stony homes of meager fare. Too rich a diet tends to leafage rather than bloom. Many of the rock garden kinds have a shrubby evergreen, or semi-evergreen, prostrate or low habit, such as *Pentstemon barrettae*, *P. menziesi*, *P. rupicola* and *P. menziesi*. Others grow more after the manner of the Harebells. Then among the larger border plants are several goodly sized shrubs, the golden yellow Snapdragon Pentstemon (*P. antirrhinoides*) reaching sometimes five feet with considerable spread. There is one climbing type in the vermilion Hearts-of-Pentstemon (*P. centranthifolius*), that flings itself about much after the Honeysuckle manner.

For a medium tall border or bedding out plant, probably none can surpass the hybrid strain built up largely from *P. hartwegi* and *P. cobaea*. Sensation is a good variety among these. The beautiful Gentian-blue plant that some nurseries offer as *P. heterophyllus* would make a splendid edging and is much hardier than the foregoing.

When it comes to nomenclature, we perhaps tread upon one of the real reasons why Pentstemons are not better known in gardens. Not only do no two nurseries seem quite to agree—no two botanists are apparently willing to bestow the same name upon the same plant. They use the same names and the same plants, but they just seem to shake the bag all up again and take a fresh drawing. I believe one reason for this is that the Pentstemons are widely spread through our western mountain ranges and are prolific seed bearers, making numerous natural crossings; then climbing to dizzy heights, descending to salt water, or creeping over interior deserts, each of them will breed just a little different form and color and habit. Where possible, choose your plants after seeing the blooming ones in the nursery. Otherwise read the description of your own dealer carefully to be sure you are really getting the plant you wish.

It is not a hard and fast rule by any means, but I have noticed that, generally speaking, the true blues come from the North or from glacial moraines, and the brilliant reds and brightest yellows from Southern California and Mexico. The lav-



From mid-summer to frost the flowering stalks of *P. gloxinioides grandiflorus*, two feet or more in height, are richly decked with large, brilliant blossoms of red, carmine, cherry, pink, lilac or violet. Treated as a perennial, it needs winter protection in northern sections



P. diffusus is the buddy Pentstemon, suitable for either the border or a large pocket in the rock garden. It is a rather leafy, upright species eighteen inches high, with close panicles of blue to violet-purple flowers in June and sometimes continuing through September

enders and purples seem rather intermediate, or extending principally north with considerable mountaineering wanderlust. It is rather a rough guide for garden hardihood. The true alpine forms will of course prove quite hardy.

Pentstemons are very easily raised from seed sown in the usual way. The more tender ones may be wintered over in a frame. They may also be grown from late summer cuttings, or in many cases, from fall division. Seeds, however, are the more usual method of propagation.

Red To Pink Pentstemons

P. organus, pink to rosy purple.
P. richardsoni, pink to red.
P. rupicola, flaming reddish rose.
P. barbatus, scarlet.
P. centranthifolius (Scarlet Bugler), vermilion.
P. parryi, smaller than above, flaming scarlet to vermilion.
P. torreyi, vivid scarlet.

Yellow

P. antirrhinoides, golden yellow, evergreen shrub, tender.
P. deustus, yellow, red-brown throat, eight-inch shrubby creeper, hardy.

Good Blues

P. alpinus, clear, a fine color.
P. aridus, vivid, clear.

(*Continued on page* 110)





(Top) Among the evergreen and semi-evergreen species, P. barrettae is especially effective among rocks where it forms a dense cover. Its silvered, blue-gray foliage is surmounted by erect flower stalks some twelve inches high, bearing handsome lilac blossoms touched with pink and purple



The hybrid forms of glaxinioides, of which there are many, are not hardy without winter protection in cold climate. Where such treatment is not readily practicable they can be treated successfully as annuals by sowing the seed indoors or under glass early in March, transplanting about May 1st

(Above) Pentstemon menziesi growing well in a moraine. The form P. davidsoni, closely resembling the type, has fat little rounded leaves and large, dark purplish blue flowers. This species is dwarf and prostrate, a true alpine that is well worth having. It needs full exposure to the sun and flowers in July and August



The typical Spanish street scene is rich in a variety of local color and happy background material for the influence of school architecture can take themselves are impossible in this country



(Above) Designers of so-called Spanish houses in America often fail to analyze the elements of the prototype. Here the plan is too square and the facade mere parts of random Spanish notes

A suggested adaptation provides adequate accommodation and a garage conveniently attached. Simplicity, good proportions and frank usage of materials unite for effectiveness. Kitchen and is behind the service wing, screened by pergola and planting

Characteristics Of The Spanish Style Interpreted For America

Gerald K. Geerlings

"NO wonder you told us we might see Spain, but not her houses! It is a continuous fiesta for all five senses. And such a medley of colorful hues—or should I write, lively color? It is exactly what you predicted: the family is always being so much engrossed by what happens that they never observe the background. In the morning we are always getting mixed up in traffic tunnels of goats in the streets as they try to evade being milked. Burros with huge panniers and lounging owners atop, shunt us from one side of a narrow street to the other. The approval of spectators several yards draped with all manner of clean, soiled and amazing clothing is on the street in front of the doors, unless several good wives are seated on them for energetic gossiping duties. When occasionally we remember to concentrate on walls we are too fascinated by the bits of posters depicting the carnivorous qualities of past bull fights. . . . The glimpses in the patios at Cordova were tantalizing, and looked as though they would fit our purse and taste. But the big show places that are open to the public, like the Alcazar gardens at Seville, are much too rich for our blood. . . ."

A perfectly natural letter coming back from a friend touring Spain in quest of ideas for a new home. Spain is baffling. Even to the trained architect prepared for a galaxy of life and color, it creates a pattern so engrossing that the architectural background seems only incidental. In England life flows by so placidly that its hedges and buildings allow themselves to be photographed by the retina, but in Spain the kaleidoscope requires an analytical motion picture camera which will record what can be reviewed later at leisure. To the traveler (in person or in books) Spain is like the tempting restaurant which offers such an array of appetizing *hors-d'œuvre* that sampling all of them leaves no capacity for the more nourishing courses which follow. The result in our American adaptation has often been to build a box-like shell, encrusted by several dozen imaginative motifs. If these have usually lacked unity and charm it is certainly but

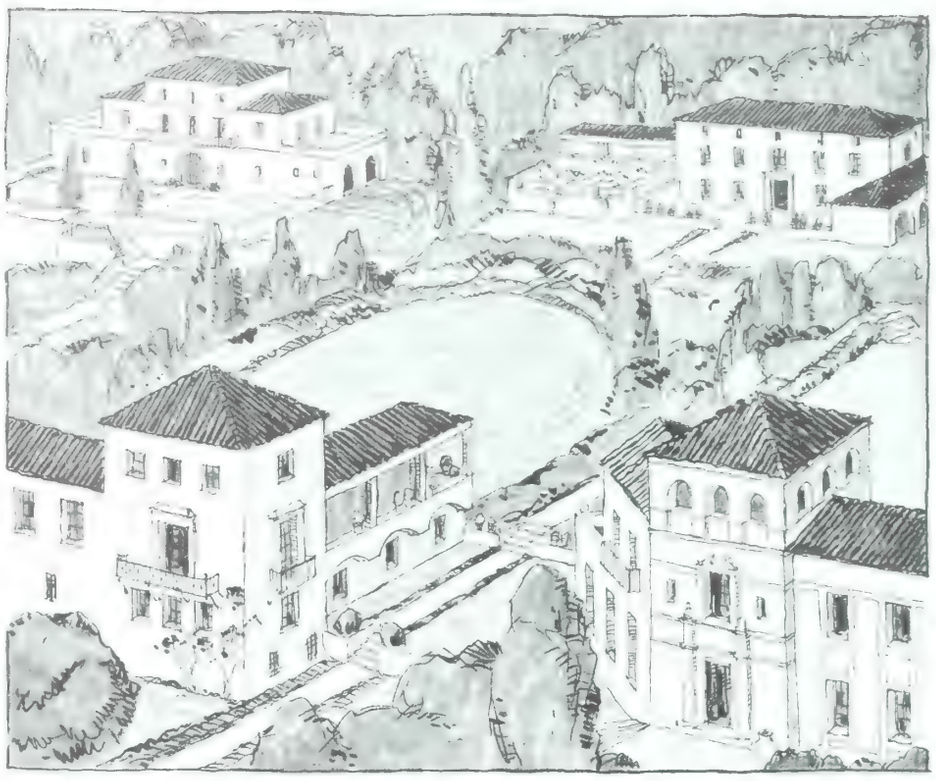


little wonder, for they have not been conceived in the atmosphere nor surrounded by the environment of the originals.

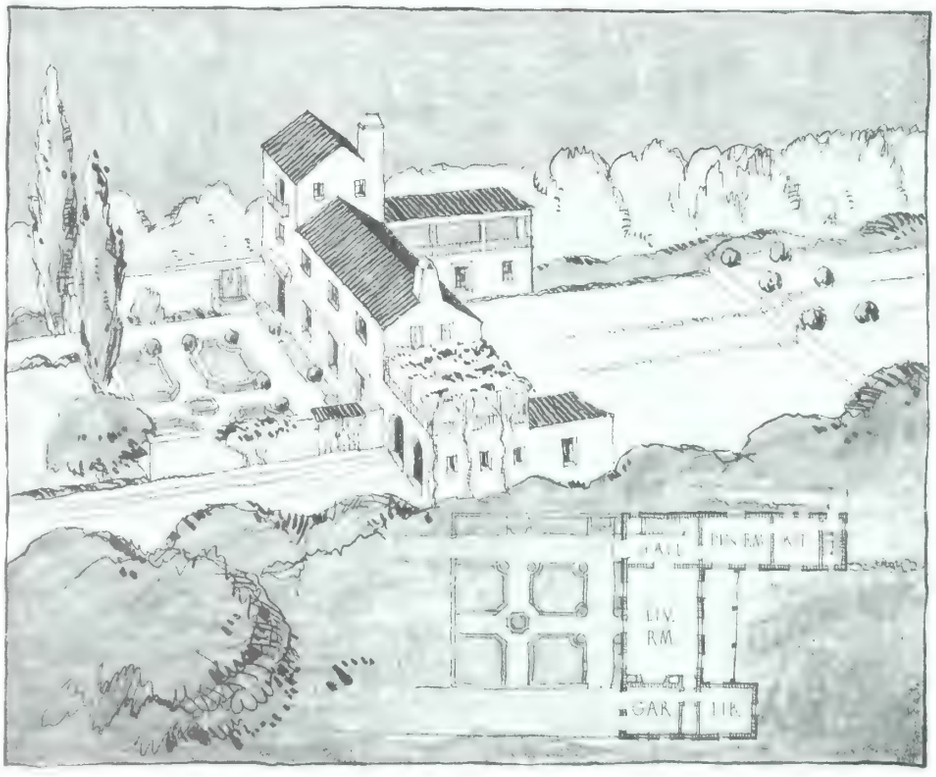
The problem of the modern house in America inspired by Spanish tradition must be approached from another angle. The modern trend in architecture follows the lead of sound sense and economics, namely, to insist on forms having usage, and an appearance which bespeaks its purpose. There is a point in the design of every house where there must be a nicety of discrimination between decoration which is genuine and helpful, and ornamentation which is pure affectation, whether it be excused on the grounds of archæological accuracy or not. Just as in modern women's dress inspired by historic costumes it is adaptation of line rather than insistence on discomfort, so too in the design of a house there should be employment of those motifs which will add to the beauty of the house only if they are likewise suited to modern comfort, requirements and materials.

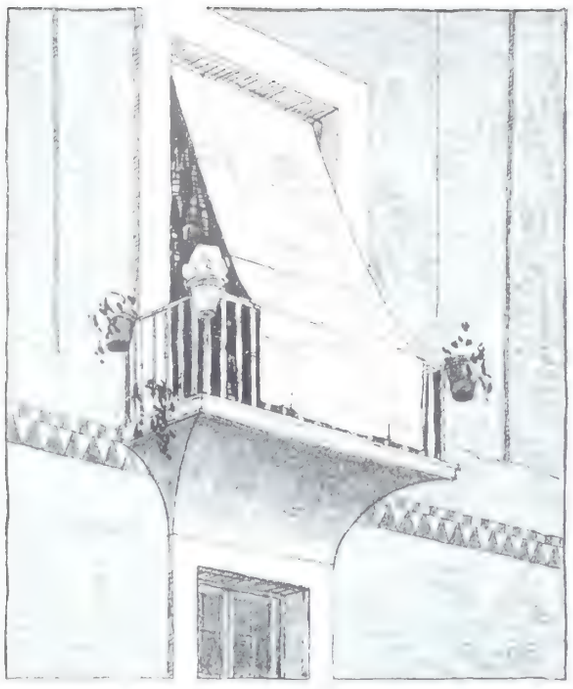
Probably not since the Renaissance has a people been as zealous to discover new forms of forgotten architectural lore. When the recent interest in the Southeast was in full swing, almost overnight a Spanish stage set was created on a grand scale. California has for some years been enriched by entire communities built in this style by talented architects. But in other sections of the country, except for an occasional isolated example (there is such a one in Milwaukee on Prospect Avenue), it has been felt that the style has been inappropriate. If the site be relatively small and hemmed in by homes in other styles, it is quite right that Spanish inspiration should have been discarded. But if one's plot has a width of seventy-five feet or more, and one be more interested in erecting an imaginative house at a reasonable cost than in assembling a series of bona fide details, there is every reason to investigate the architectural possibilities offered to us by the Iberian peninsula.

The Spanish, like the Italian, is a style which depends more upon mass and simplicity than expensive roof and details. Even though one decide to "go modern" with a Carbusier sort of domicile, it would still be worth while to browse through photographs of Spanish houses. While in Italy there are a certain classic restraint and a subconscious feeling for arrangement in even the humble architecture, the Spanish seems to have been done with more abandon and dash. The most monumental edifices, when compared to similar ones in Rome, seem never to take themselves too seriously, but have a way of winking at you as though to say, "I know I should behave punctiliously but it is such



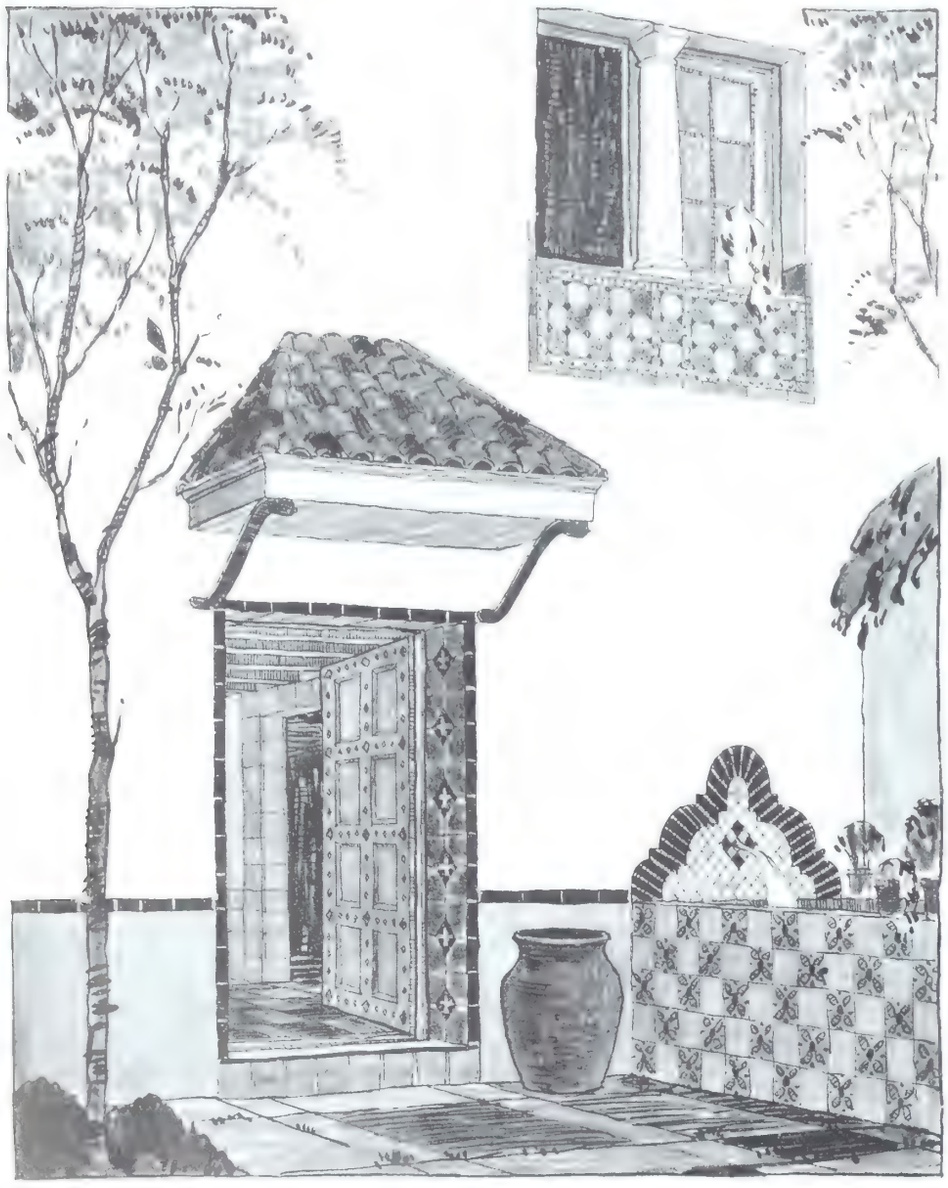
(Above) Regardless of site or requirements, a Spanish house will consent to any contortions you desire. Moreover, it can be built in stages, adding rooms or wings from time to time. A variety of arched loggia features make interesting opportunities for garage and porch. Elimination of a patio because of the moderate size of a house need not check the Spanish influence. An enclosed garden can give a patio-like effect and also offers a solution for only partial landscaping in the early years. Later the ground at the rear could be developed





Here a simple plaster cove issues from a window screen as the base of a balcony around which a wrought iron rail carries plants in urns. An awning suggests the roofed coverings of Spain and the band of tile strengthens the horizontal effect

(Below) To Spain we are indebted for exterior tile in this American suggestion, on the hood above the entrance, around the door below the window and for the pool at the right at the patio. Iron and wood are also employed [illegible]



sport to experiment with life." Domestic work is even more jovial. Some evening if one craves entertainment of a new variety, let him play hide-and-seek with all the amusing pranks which the well-known firm of architects, Chance, Time & Necessity, have built into Spanish houses. There are several gorgeous books by Alfred Byne and Mildred Stapley, one by Winsor Soule and two by Austin Whittlesey, which offer material sufficient to compete with almost any *divertissement* illuminated by footlights. Some of the drawings on page 83—as well as the one on the bottom of page 82—indicate only very sketchily how adept the Spanish would be in lending itself to modern conditions. On the level plot or the irregular slope it can so ingratiate itself that envious relatives will say, "Of course, with a Spanish house you could take advantage of the site. Now with our house we couldn't. . . ."

The material for the exterior of the modern [illegible] which is at once inexpensive and which yet offers the most imaginative possibilities, is plaster. While all Spain is not stuccoed over, [illegible] covering the vast majority of houses, except for the stony [illegible] in the West and Northwest. Yet even in the provinces which are built of half-timber (as in Belgian country) or stone, plaster often steps in to fill the rôle more than adequately. The plastered walls of Spain have seemingly been whitewashed as a ritual at least once a year, giving them the crackled appearance of old parchment when viewed under a microscope. A new house cannot secure a corresponding mellowed effect overnight, yet one possibility for lending variation to the color is to mix the ingredients with the plaster. This can be done with shades of yellows and browns.

It is often true that plaster on veteran houses abroad is improved by vertical streaking due to weathering, or a number of other causes which prevent uninterrupted areas from seeming monotonous and dull. To provide against such a condition detracting from a new wall, there are various solutions suggested in the drawings on this and the opposite page. The doorway detail adjacent to the wall fountain (left) has a dark painted base of the same height as the top of the fountain tile. In the same illustration the introduction of tile around the window and door occurs unexpectedly, and in the case of the window, it is a substitute for flowering color during the cold months. So-called "offsets" (surfaces recessed or projecting) in the plaster, as those surrounding the dormer window to the

right, and between the windows of the patio drawing below, are helpful in making openings relate to each other.

Wrought iron is the pride of every Spanish house—in Spain. Over here we are apt to think of it as an extravagance which can be added only when stocks and bonds react favorably. But this need not necessarily be the case. If the balconies and grilles are designed with simplicity in mind, the humblest house could be artistically enriched.

With intelligent design even the iron members which make up the utilitarian fire-escape can be so handled that it becomes an asset. Alternating bars square in section with others rectangular or circular, and giving variety to their spacing, can make of the so-called "stock" bars a creditable balcony. It is better in a matter of that character to pay a first-rate architect or designer liberally for a good design which can be economically executed, rather than to pay for expensive but inartistic wrought iron, on the design of which no trained thought or specialized study was expended. A good designer and a good craftsman can create more beauty with an expenditure of twenty-five dollars than a poor designer and poor craftsman can for one hundred. If there is no outstanding local talent available, it is economy in the long run to conduct a mail campaign and have the work created by a first-class, though distant, forge.

The successful Spanish house, be it indigenous or transplanted, is not to be considered as a thing apart from its planting. Its charm may be due to only the arrangement of potted plants and a climbing vine, or any other simple scheme in order to silhouette green leaves against a light background. On Spanish streets these agencies do not exist, it is true, but in that case it is the "local color" of the inhabitants and their manner of living which act as a substitute in supplying color contrast.

For the home owner it will be a saving financially and a gain esthetically to conceive of house and garden as a single unit. One hundred dollars' worth of wisely distributed foliage will do more than one thousand dollars spent on architectural ornament in making the ensemble the genial delight he intends his home to be. It is only when potted plants, climbing vines, simple water basins, sympathetic shrubs and trees create a human, intimate atmosphere that the householder will be able to say contentedly to himself, "There, by Jove! No goats, burros, oxen carts, bull fight posters or colorful clothes out to air—and yet it can hold up its head with the first cottage in Andalusia!"



Dormers on the house of Spanish influence may be carried up the face of the house wall, with a corbeling projection of ordinary roof tile in which each course extends forward over the one below. Three characteristic chimney caps are shown.

A patio or the corner of an ell wing makes possible many desirable features such as loggia arch, an overhead vine, outside stair and an overhang like that below, providing contrasting shadows and depths of color. All drawings are by the author







Much thought after yet seldom achieved in the furnishing of a home is a true-worn atmosphere. There are many methods by use of old materials or rules of vast elegance, but by such simple expedients as the scattering of a fine lace and the use of a slightly conflicting material there—departures from the meticulous modes of today. Throughout this house it is just such subtle touches as these that have been applied to create the desired spirit successfully

Walls in the living room above are plastered, and the exception of the portion immediately about the fireplace—this is panelled, the paneling successfully merging into the wood cornice which is carried about the room. At the left is a view of a portion of the library, looking to the entrance door

Russell Walcott & Robert Work

Architects

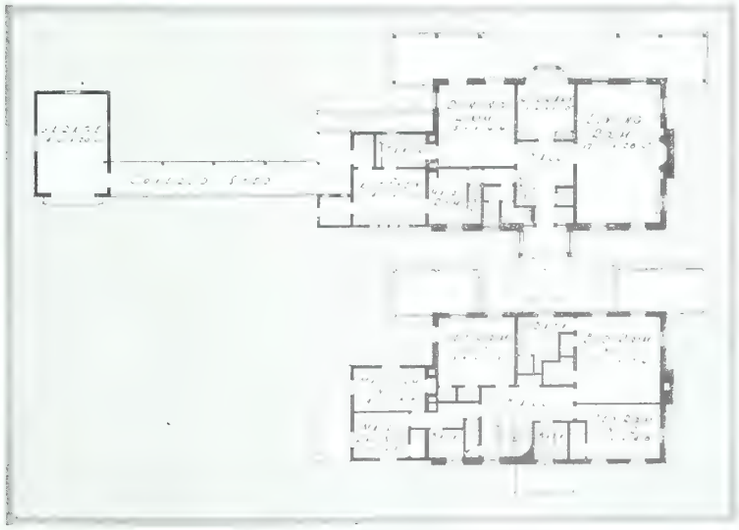
The Mellowness Of Age Reproduced In A House Of Colonial Character



Trowbridge

The service end and front façade of Mr. William T. Bacon's residence at Winnetka, Illinois are shown above. Brick, clapboards and plain wood siding, all whitewashed, have been combined in the walls. The long brick wall forms one side of a covered shed running between house and garage.

Opposite the entrance hall and opening from it is a library, conveniently situated for use as office also. The living room occupies the first floor space to the right. Dining room and service are at the left. On the second floor are three master bedrooms and two baths, and two maid's rooms reached by a separate stair.





Recent Developments In Building And Residence Equipment Fields

Gayne T. K. Norton

Month by month this page records newly developed material and devices of particular interest to those who wish to keep the construction and equipment of their homes up-to-date. Each item is actually available for purchase. Literature of the various manufacturers will be furnished on request to House & Garden's Reader Service

AN antenna outlet for electric radio sets eliminates outside and inside aerials and the accompanying wiring. Placed in the wall like any outlet, the aerial is contained in the switch box, which has reversible ears for easy installation. Wave capacity, it is said, is the same as that of any good 50-foot outside aerial. Attached to the plate, which measures four-and-a-half by two-and-three-quarter inches, is 25 feet of wire and a ground clamp to be attached to the nearest water pipe. No lightning arrester is required. Fine selectivity, reduced interference and lowered radio installation cost are promised the user of the antenna.

TWO-FACED SHINGLES

FOR application to the roof, either side up, a fireproof shingle is offered in five colors: pearl gray, gray duoface, red duoface, black duoface and green duoface. One side of these shingles is the natural gray color of the asbestos cement, the other being colored by metallic oxides, which cannot fade or wear off. With butts a quarter-inch thick and left rough and uneven, instead of being trimmed off square, the shingles are 18 inches long, tapered, and come in random widths of six, nine, 12 and 18 inches. By means of color combination and irregular horizontal and vertical lines they will give unusual character as well as fire safety and durability to a roof.

HUMIDIFICATION AGAIN

ANOTHER humidifier! The battle against thirsty air goes on, with firm after firm offering solutions to the problem of air moistening. Now comes the humidifying radiator with hollow sections or coils. Installed as a radiator in any hot water, steam or vapor system, the heating medium flows through the hollow sections, evaporating water held atop each one.

The top of each section is designed as a water trough. Water from the regular supply system runs through a pressure-reducing valve to the radiator-humidifier. The valve supplies the proper volume of water. The trough on each section is filled but a quarter-inch deep from an overflow pipe from the trough above. From 20 to 50 gallons a day may be evaporated, depending upon size of unit and type of heating system. One unit will humidify the average home.

Correct relative humidity is automatically maintained. Evaporation fluctuates with temperature of radiator. The colder it is outdoors, the hotter air radiators, and the more water is evaporated. Once adjusted to heat and water supply, operation is automatic, economical and silent. Besides heating system connections, two water connections, supply and drain, are needed. Wood or metal cabinets enclose the humidifier.

FIRE DETECTOR

THERE is an application to fire detection system that gives dependable protection through the action of heat upon a thermostatic wire, held to the thickness of a lead pencil. This wire is flexible, water and corrosion proof, and can be completely concealed, as can the control panel and current supply units of the system.

Any disarrangement of any part of the wiring or other units, whether arising from accidental or malicious causes, automatically produces a trouble signal. This signal is distinctly different in tone from the fire alarm, and it announces, describes and locates the trouble. The system cannot go "dead" without giving notice.

Operation is based on the fixed temperature principle. When the fire detecting wire is heated at any point to 160 degrees (the heat from a match is about 400 degrees) a fusible alloy in the center melts, causing a short circuit by contacting an outer conductor, and rings the alarm. A broken draft on the oil burner, a forgotten laundry iron, high flue temperature, spontaneous combustion will cause the sounding of a strident gong in time for someone to prevent a little fire from becoming big.

Approved by the National Board of Fire Underwriters and numerous municipal fire departments, this system, in its simplest form, provides adequate protection for smaller homes, or for such high hazard points as garage, basement, kitchen, laundry, etc. in larger homes. Another more elaborate type, that will give protection in every room, is designed for the large country houses, schools and other structures.

RADIATOR VALVE

A SELF-CONTAINED modulating valve makes each radiator think for itself. Small and finely finished, this new valve silently and dependably holds temperature at a desired point by gradually opening or closing the radiator valve in response to any change in room temperature. It is quickly attached, requires no wiring, and is entirely automatic, maintaining a temperature anywhere from 60 to 80 degrees. One does not have to constantly watch a thermometer and open or close radiator or window; further, one member of the family may have a room temperature of 80 degrees, without disturbing or discomforting others in the house.

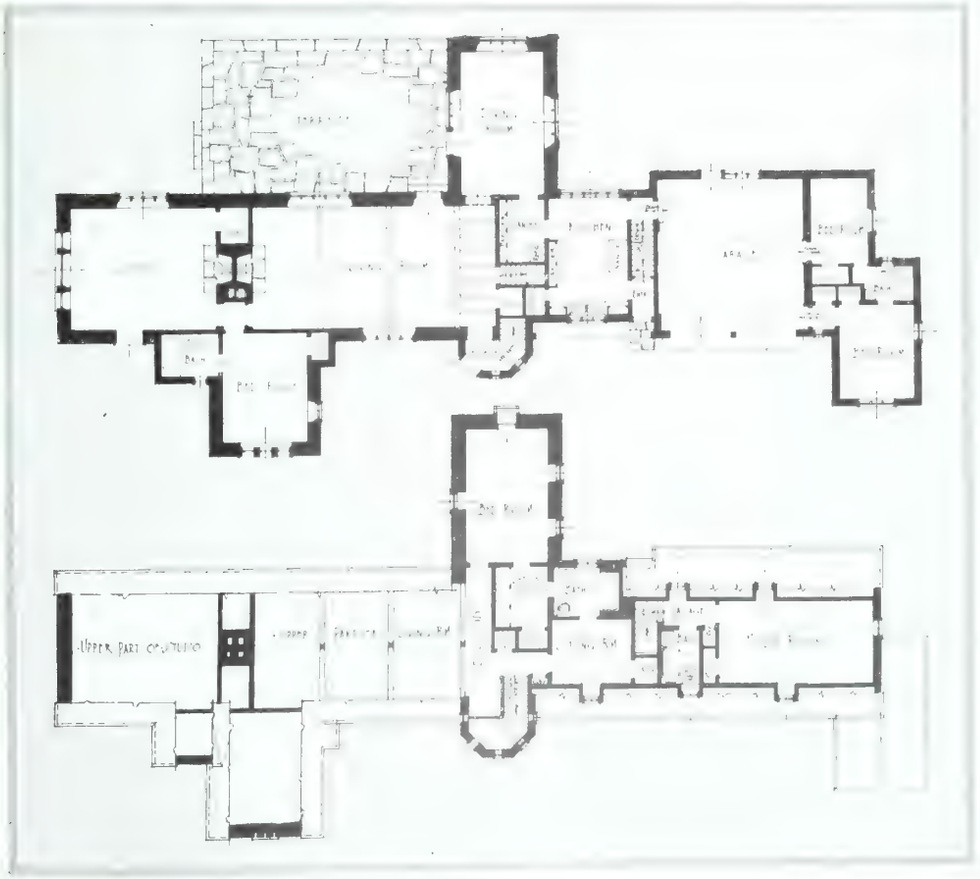
CLOTHES DRYER

A NEW model of an electrically heated laundry dryer has a hanging capacity of 33 lineal feet and uses no more current than an electric fan. Clothes in it are dried with circulating, sterilized heat charged with ozone. They are not only dried, we are told, but also sterilized and bleached. The dryer, shipped, set-up and equipped with extension cord and plug for the iron, is five-and-a-half feet high, a foot deep and three feet wide, finished in silver bronze. A small electric dryer of recess type, soon to be introduced, will serve in the bathroom as a dryer, a heater and an air purifier.

(Continued on page 106)



John Wallace Gillies

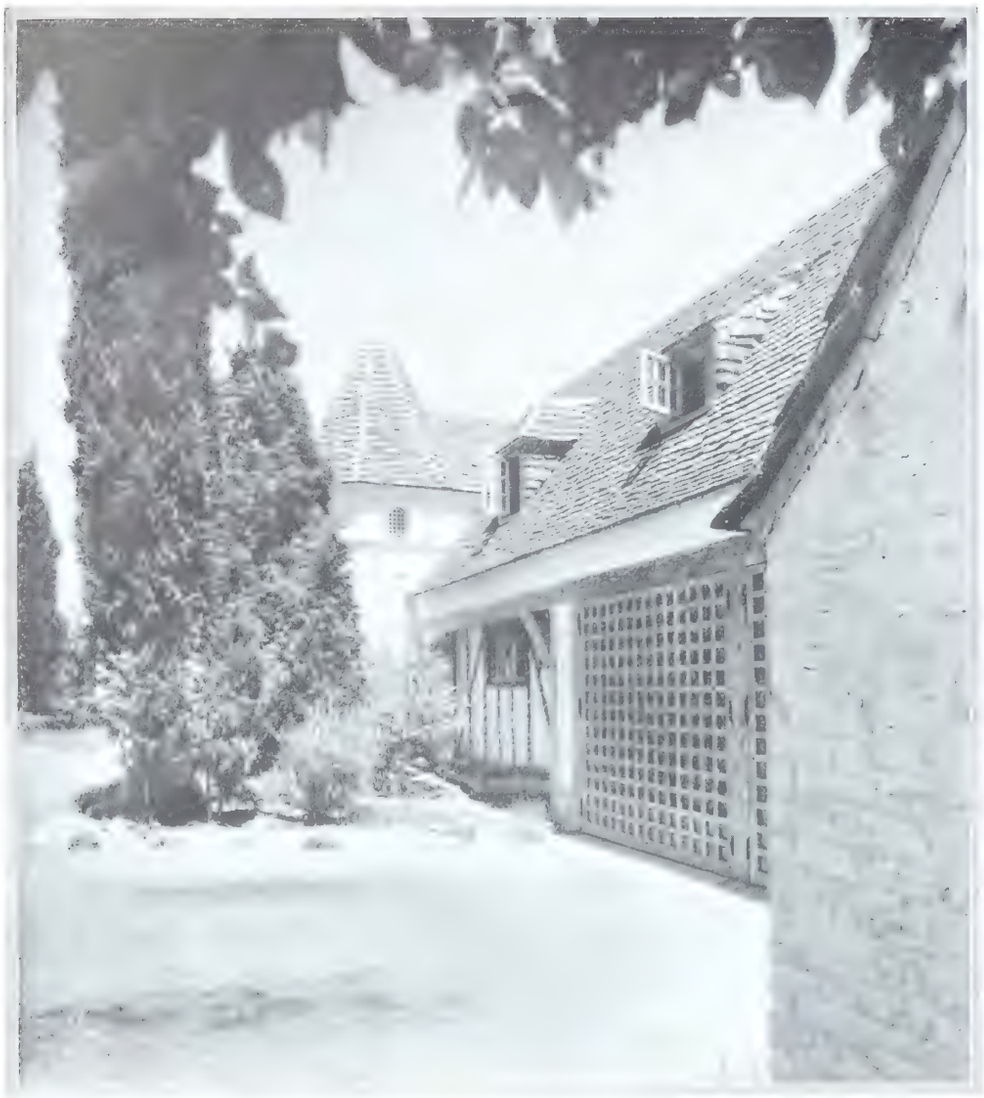


The home of Jay Hyde Barnum, at Silvermine, Conn., occupies the crest of a ridge heavily wooded with Cedars and Birch, a rustic setting into which the rough white-washed stone and blended roof tiles of the house fit admirably

As it is the home of an artist, the end of the north wing houses the studio. Beyond that comes the living room with exposed timbers, shown on page 59. A guest room is on this bottom floor. The dining room encloses one side of the terrace. Two servants' rooms are at the far end. Upstairs are a master's bedroom, a sitting room and a maid's room

The picturesque quality of this type of architecture and the honest building construction that goes into it have won the Norman farmhouse many adherents in the country

A Norman Type On A Hilltop Site In Old Connecticut



Picturesque Details Within and Outside A Norman House

Forster & Gallimore

Architects

The kitchen of the Barnum house is slightly indented and walled with half-timber. The eaves come down to the support of a long beam that also forms a lintel for the garage doors. These doors are of heavy beams reminiscent of portcullis

In the tower is set the main entrance and here also are the stairs. The octagonal shape, the protruding stone course below the small windows, and the rough overlapping of the pan tiles lift this tower to the plane of a feature

Below is a view of the gable end of the guest wing where the architect has filled the upper space with openings for a colombier—a necessary part of every Norman farmhouse. He has also managed, by the [illegible] recessed lines of slate under the roof and returned slightly on each side, to make this gable decorative and unusual









The solid construction of the stone walls is reflected in the timbers of the living room and the doors of the house. Above is the entrance door and below the Dutch divided door leading into the studio.

Above the dining room, and with a balcony that overlooks the valley, is Mrs. Barnum's bedroom. Though the house is Norman in its architectural character its furnishing has not slavishly followed this style. The bedroom is mostly French, but the dining and living rooms are Victorian







Informal English Character In A Stucco And Stone Residence Of Moderate Size

Penrose Stout, Architect



A rather startling fact about this house is that the dominating exterior feature—the stone faced wing—is occupied by the laundry. The reason for this is that the rear, overlooking lawns and garden, was considered most important

While the segregation of service rooms to one portion of a house, with hall and dining room as liaison points, is not at all unusual, the manner in which these rooms in this house have been arranged to make for convenience and efficiency is worthy of note

The living room has three exposures and opens upon the loggia. In the dining room, a long range of casement windows faces the garden. Three master's bedrooms and a sitting room are on the upper floor, in addition to servants' chambers. This is the Bronxville, N. Y. home of Reginald M. Campbell















Peter B. Mo...

1. Grace at first and the contrast of old white woodwork with brown velvet and taffeta upholstery combine in this charming small Louis XV settee. From Burnovan

2. Delicately decorated deer panels in soft colors are a feature of this lacquered cabinet which is deep cream with a violet marble top and baking shelves inside. Burnovan

3. On the top and legs of this lacquered coffee table, which is painted a mellow old-white, glows a multi-colored Chinese decoration. From Jacques Bodart, Inc.

4. When not in use the tray becomes the top of the table de nuit, its legs fitting imperceptibly into the corner grooves. Gray with floral decorations. Cassard Romano

5. A semi-circular commode painted soft yellow with delicate chinoiserie decorations after the manner of Pillement would be a delightful color note in a blue interior. W. & J. Sloane

6. This dignified lacquered desk, particularly suitable for a library, is a deep olive green, the chinoiserie decorations picked out in dull gold and rich reds. H. F. Huber

When Furniture Adds Color To A Room



7



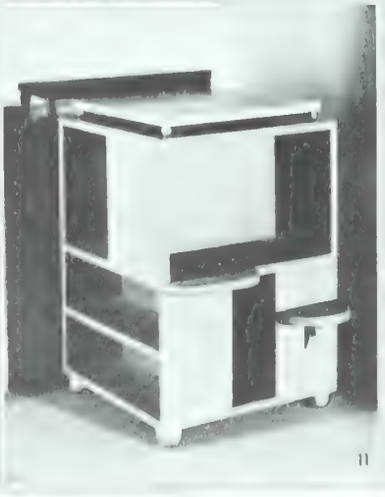
8



9



10



11



12

Peter E. Merrill

7. An occasional bedroom chair in open tapestry and color variety to a room. This has enough color in black, yellow or green with dull gold. Schmieg, Hungate & Kotzian

8. For a space requiring an important piece of furniture, there could be no better choice than the lacquered cabinet in pale yellow on a black base. Schmieg, Hungate & Kotzian

9. This distinguished break-front bookcase was photographed empty to show the gold tea box paper lining. Black lacquer decorated in red, blue and dull gold. Erskine Danforth

10. Another useful and ornamental lacquered piece ordered to order, is the desk commode, in the top of which is a well cut panel for writing purposes. Bristol Company, Inc.

11. Unadorned curves and simple lines distinguish the Directoire book table which is seen with gold lining. The top tray, painted dull silver, is removable. R. Mosseau

12. The delicacy of a Chinese Chippendale table is ideally suited to the intimate atmosphere of a small living room. In green, decorated with gold. Shaw Furniture Company

Varied Designs In Paint And Lacquer

The Gardener's Calendar For February

This Calendar of the gardener's labors is planned as a reminder for taking up all his tasks in their proper seasons. It is fitted to the climate of the Middle States, but may if, for every one hundred miles north or south, allowance is made for a difference of from five to seven days later or earlier in the time of carrying out the operations. The dates are for an average season.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1.	2.	3. Have you	4.	5. No one can	6. All plants	7. Have you progressed any
8. Pea Brush,	9.	10.	11.	12. Have your	13. Have you	14. Samuel B. Parsons, nurseryman, born, 1819.
15. If it	16. It is	17.	18.	19.	20. Start now in	21. No garden
22. Last Call	23.	24.	25.	26. Before	27. Stock plants	28. Spiraea, 10th early flowering

○ Full Moon, 2nd day, 7 h. 26 m., evening, E.

☽ Last Quarter, 9th day, 11 h. 10 m., morning, W.

● New Moon, 16th day, 8 h. 11 m., morning, E.

☽ First Quarter, 25th day, 11 h. 42 m., morning, E.

First Week: Bitter cold, clear, northwest gales.

Second Week: Increasing cloudiness, warmer.

Third Week: Destructive sleet storm, snow.

Fourth Week: Cold first half followed by thaw.

In The Blizzard Last Monday, Says Old Doc Lemmon—

"Wal, Cal Jewett's passed away, an' the old farm in the shadder o' Cooley's Mountain, and, me—I'm ninety-one, an' yet I can't help feelin' that I'm kinda all sort o' lazy around it, watchin' over the cattle an' the sheep, an' the hens an' maddies where the buttercups show up in the spring, an' the corn-field, an' the woods where the chipmunks an' squirrels live, an' all the right-smart year, he was the farm an' the stock an' the old white house itself, an' they up at the crack o' dawn an' busy lookin' after things till the stars come out at

"Cal an' me was boys together, though he was older'n me. I mind the way I used to trail after him, like a leetle tacker will, when he sneaked off [illegible] hin' or huntin' a bee tree. Seems only yesterday, as I look back onto it, an' yet—wal, in the blizzard last Monday they laid him away. . . .

I looked down at him there in the front parlor —white hair brushed back off'n his high forehead, wrinkles all gone from his fine old face. Peaceful an' turrible still. Outside the storm a-whinin' 'round [illegible] an' shakin', an' [illegible] the coal in' of a [illegible] an' [illegible] a leetle. An' to me, over a long, long [illegible] Mrs' Ruscoe singin' 'Rock Of Ages'. . . .

"There ain't many of us left now, Cal. Zeb Cuddeback an' Eli Wilson an' [illegible] that's parts near all o' the old Old stock. We've seed a-plenty changes come to the Valley, ain't we, Cal? Some o' them fields we helped to clear as boys hev growed up ag'in in trees; the wheat's gone an' Taylor's grist mill is fallin' to pieces. The railroad's come an' the telygraph an' the gol-dinged ottermobiles. Folks don't scurcely know what a good farm team looks like no more, an' there's no tellin' how much higher taxes are a-goin' to go.

"But the hills ain't changed, nor the sunsets nor the fall colors in the woods. The same winds blow down the Valley thet blowed when we was a-pitchin' hay fifty year ago, an' the stars thet we used to see as we follered the last load up the lane to the barn still come a-peekin' out. There ain't no diff'rence in them, Cal; they stand by us, like.

"Mebbe thet's what they're for; I dunno. Any way we look we see the things we've been brung up with, an' they give us a sort o' stren'th. Birchy Hollo Brook an' Old North an' the stone walls climbin' the hills just as they done when we was kids. Our great-gran'paps sot 'em there, buildin' 'em into our blood, ye might say. They won't forgit ye, Cal, them good old gray rocks—'Rock Of Ages'. . . .

"Wal—'bye, Cal."

An early American contribution to the world's best soups . . .



Philadelphia PEPPER POT!

There's a touch of homespun genius about Philadelphia Pepper Pot that endears this famous old Colonial soup immediately and permanently to all who taste it. Rich, substantial, satisfying to the most robust appetites, yet of a delicate savor and zest that appeal at once to those who delight in the piquant and unusual.

Enjoy Campbell's Pepper Pot, made by our special Pepper Pot cook from a favorite old Colonial recipe. A hale and hearty stock, velvet-smooth in texture. Sumptuously enriched with good, solid eating—diced potatoes and carrots, tender morsels of delicious meat, and wholesome macaroni dumplings. And seasoned with the blended aid of ground whole black peppercorns, sweet marjoram, fresh parsley, savory thyme and sweet pimientos.

Such a soup as men delight in! Truly one your appetite remembers. Serve it, again and again. At your grocer's. 12 cents a can.

LOOK FOR THE RED-AND-WHITE LABEL



A Man's Soup



General Washington and Robert Morris calling on Mistress Betsy Ross in regard to the New American Flag, Philadelphia, 1776

BLEACHED BY THE SUN

We MODERNS must be modern in our table damasks . . .

Today, even the dining table turns distinctively twentieth century. So, to the time-tested quality and long wear of "Old Bleach" pure Irish Linen Damasks, has been added this cheery note of modernism. Its gay background of black or delicate pastel shades, contrasted with a silvery curving motif of white, won this cloth enthusiastic comment when leaders of Washington Society recently exhibited their art in modern table setting at the Mayflower Hotel. This design is for sale at all fine linen departments and shops.

Write for interesting "Old Bleach" booklet—Table Talks—a treatise on modern table setting. Enclose 10c for postage.

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"OLD BLEACH" IRISH LINENS



Silver From The Orient



[illegible] Persian silver [illegible] illustrates the [illegible] ornamental ring with [illegible] and [illegible] host. Shown by courtesy of Dikran G. Kelekian

[illegible] work, [illegible] chatelaines, statuettes, etc., were exquisitely made in *repoussé*, enamel, [illegible], etc. [illegible] Century reproductions of traditional pieces; many types of work, even silver bowls and cups covered with exquisite basketry, occasional European influence.

Egyptian: Ancient Egyptian work, usually in gold. Silver imported from Syria, often worked in forms showing Asiatic, especially Phoenician, influence. Persian, Greek, Roman, Byzantine, Christian Coptic and Saracenic [illegible] respectively. Hundreds of lobed bowls of various shapes in the Cairo Museum, 4th Century B. C. Mirrors with elliptical disks, broader than high, made preferably of gold but occasionally of silver, or silver, [illegible] handles, long or short, formed like a lotus, hawk, the goddess Hathor, etc. [illegible] about 4 feet long, the top statuette [illegible] Cosmetic [illegible] perfume boxes, [illegible] supported on human figures, etc., of silver, or [illegible] bowls and dishes show classic influence [illegible] Enamel and gilding prominent in Roman and Byzantine periods. Early Christian-Coptic work largely [illegible], embossing, engraving, piercing, [illegible], with jewels in box settings. Enamel largely substituted for gems under Greek rule; *niello* much used under Roman—Ptolemaic and Byzantine influences. With the Persians, and later the Saracens, came the rich stores of silver and gold plate [illegible] people, to [illegible] and [illegible] showing the different periods. Much work in Syro-Egyptian style remains, especially silver and gold inlay on brass and other [illegible] Persian and Saracenic.

Hebrew. Silver [illegible] made in Egyptian style.

[illegible] Greek, Persian, Mohammedan, Saracenic, Chinese and later Dutch in English influences; with Saracenic style prominent in form, and many Indian style in ornament. Unbroken tradition in shape and decoration since 16th Century, though many modern shapes are in reality very ancient Cheshme, *repoussé*—high and low relief, engraving, inlay—especially of [illegible], enamel, *bidri*, *sulfa*, filigree, parcel work, silver-gilt and parcel-gilt, as well as statuettes and images. Bowls used plain eating and drinking vessels but highly ornamented decorative objects, completely covered with all-over floral designs—birds, animals, and figures—the whole outlined within borders, panels, and compartments. As tea-tasting, incense-comparing, and flower-arranging influenced Japan's finest silver-work, so smoking the *sulfa*, chewing the betel-leaf and the use of perfumes inspired the most notable Indian pieces. Cups, bowls, plates, and trays are the usual pieces, rose-water sprinklers, scent caskets, betel-leaf and cardamon boxes, huge ewers and *hukahs* are for ceremonious use. Traditional shapes and all-over arabesque designs are typical of North India, elaborate *repoussé* of South India. Kashmir and Lucknow were long noted for superb silver-gilt work. Kashmir parcel-gilt work has all-over design cut through the gilding to the silver base, producing pearly lusters. The *sarais*, or water vessels (carafes) are typical. *Bidri* work is characteristically Indian; designs in silver are inlaid in sharp contrast on a blackened ground of copper and zinc alloy. *Aftabas*—scent box or vase; *gulabpash*—rose-water sprinkler; *hukah*—smoking bowl; *lota*—water pot or vase; *pandan*—betel-leaf box; *pikdan*—cuspidor, are typical articles.

Indo-Persian: Work showing both Indian and Persian influences. See Indian and Persian.

Japanese: Chinese influence through Korea after 6th Century A. D. Earliest work in [illegible] bronze mirrors

(Continued on page 100)



A sumptuous Persian jewel casket of the late 16th Century, topped by flowers and leaves set on tiny springs that flutter at the slightest touch or breeze. The conventional *repoussé* floral ornament is typically Persian. Courtesy Dikran G. Kelekian

Plumes add a formal note
'o this gay and graceful

CHINTZ



'lowers in summer fullness twine with swirling plumes in this design rich with color and decorative nterest. Schumacher adds to its innate appeal the beauty of fine craftsmanship . . . Here is a fabric hat hangs well, drapes superbly and belongs by birthright to charming, graceful rooms. Write for omplimentary booklet, "Fabrics—The Key to Successful Decoration", Dept. E2, 60 West 40th St., N. Y. Schumacher Fabrics are sold only through decorators, upholsterers and the decorative departments of department stores. Offices also in Boston, Philadelphia, Chicago, San Francisco, Los Angeles, Grand Rapids and Detroit.

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WEDGWOOD

Silver From The Orient

(Continued from page 98)

and for wood decoration. Decorative bronzes, variously alloyed for contrasted patina and coloring, are typically Japanese and are often inlaid and incrusted with silver, gold, copper, iron, and various alloys. Nara period (710-784)—copper objects coated with silver or gold; inlaid and incrusted bronzes; foreign influence Chinese, Korean, Indian and Sassanian —Persian. Heian epoch (late 8th–mid-12th Century)—gauze mosquito curtains weighted about dais with chiseled figures of Dog Fo. Military epoch (11th-14th Century)—tea ceremony, incense burning and flower arrangement became notable cults with appropriate tea utensils, art objects, censers, tongs, vases, bowls, etc., made of silver or decorated with silver. 17th Century—more silver in use, still employed for sword decoration, vases and household ornaments, gold lacquered bronzes, hard-etch silver mountings. 18th Century—naturalistic designs in fashion; many notable metal-workers did inlaying and incrusting of silver and gold on bronze. 19th Century and earlier articles include plates, vases, incense-burners, teapots and urns, panels, *okimono*, statuettes of human figures, animals and birds. Chiseling, *repoussé*, engraving, punching, enameling — specially *Cloisonné* beaten in low, shallow pans most typical. *Nashiji-bori*—hand-inlay work, *Kesen*—cautious chiseling, *Nikuaki-bori*—ground cut away leaving ornament in relief. Flowers, foliage, birds, animals, etc., favorite ornament, with various symbols.

Korean: Mongolian types and ornament. Notable examples as early as Korai period (918-1392). Bowls and boxes important, various Chinese forms. Toilet articles, cylindrical rouge box, etc., filigree and engraved designs; needle-case, carved 18th Century—*repoussé* ornament in fashion.

Kurdish: With these and other Caucasian tribes silver was generally used for personal adornment. Primitive ornament. Curved dagger sheaths with geometrical designs, bosses in lozenge form.

Malayan: Work of the Malay peninsula was of Indo-Chinese type; thinner metal than Chinese. Display pieces extremely ornate, ordinary articles not entirely covered with ornament, as in India and Ceylon, but foliage and floral designs are so well disposed as to seem part of the object. No human or animal forms or handles. Many charmingly decorated little boxes, pierced or solid, for fragrant flowers, betel-nut, tobacco, etc.; bowls, dishes, and cups. Pillow plates for ends of cushions, chains to tie up the sleeping mat, borders for door valances, etc.

Mesopotamian: Ancient Chaldean, Assyrian, Babylonian, Persian, Syrian and Egyptian influences, later Saracenic. Fluted cup, beaker, mounted ostrich-egg, bull's head, etc., of silver and gold from Ur of the Chaldees—Abraham's home, about 3500 B. C.—give the mounted ostrich-egg, the cup on small standing foot and the fluted beaker an ancient lineage. See Saracenic.

Mohammedan, Mussulman: See Saracenic.

Mongolian: Chinese, Persian, Indian, and other foreign influences in 13th Century when Mongols conquered almost all Asia and part eastern Europe. Many foreign craftsmen at Court of the Khans at Karakorum, even a Paris goldsmith.

Moorish: See Saracenic.

Persian: Ancient Assyrian, Babylonian, and Sassanian influences long retained in taste for metal plating doors, roofs, etc., in silver *repoussé* or inlaid on bronze. Ancient luxury in silver tent-poles, beds, couches, vessels. Greek influence imported from 4th Century B. C. Sassanian (220-640)—traditional native forms and ornament, typically in very high relief, engraved, chased and with applied *repoussé* figures; vessels hammered and then worked on lathe, also Roman, shallow bowls and dishes with characteristic bird-tailed monster and foliated tongue; foliated bird plume doubtless influenced later forms. Chinese phoenix—*hung-hwang*, hunting scenes with huntsmen and animals in typical vigorous *repoussé*. Sassanian plate found far afield in Russia, Peru, etc. Mohammedan conquest (641) brought Saracenic style. Arabic inscriptions conspicuous, arabesques, exquisite inlay of damascening on brass, bronze, etc., since 11th Century—incense-burners, large candlesticks with heavy bases, vases, lamps, goblets, ewers, basins, mirrors, bowls, dish covers, spoons, pen-cases, etc., later work on steel, pewter, etc. *Bidri* work, Indo-Persian design, *hukahs*, boxes, pen-cases, cups, carafes, flower vases, trays, etc. 12th-15th Century—silver ewers beautifully faceted, arabesques and medallions. 16th Century—enamel, anciently used, now beautifully enriched with gold, silver jewel caskets, incense-burners, etc., dignified designs exquisitely worked in *repoussé*, filigree, *ajouré* and parcel-gilt. 17th Century—much enamel and gold in sumptuous rose-water sprinklers, dishes, salvers; traditional forms; arabesques, inscriptions, animals, etc. English porringer and caudle-cup derived from Oriental wine bowl, the handles added. 18th-19th Century—old traditions retained, especially in inlay on brass on dish covers, spoons, etc. See Saracenic.

Saracenic, Arabi, Mohammedan: The Saracens spread broadly the arts and industries of the nations they conquered. 1. Persian influence paramount in metal-work in Persia, Mesopotamia, Syria, Egypt, India, and Spain under Saracen rule. Inlaying of silver and gold on brass, bronze, or copper combined with delicate engraving, the favorite type. 11th-mid-15th Century—work of exquisite fineness and costly elaboration, seldom later attempted, but inlaying or *kuft* work continued to present time. Two groups of work. 1. Eastern—Persian, Mesopotamian—Armenian, fully developed in East Persia, 12th Century, carried west by Turks. 2. Western—Syro-Egyptian, 13th Century and later. 13th-14th Century—best periods of Saracenic work, later examples mere variations of early pieces. Many articles thus decorated incense-burners, perfume-burners, braziers, candlesticks, ewers and basins, bowls, cups,

(Continued on page 118)



They just grew





and grew



and grew



because *of* flavor



The Jolivet Package—containing eighteen delicious types. Just the choice for all occasions—at one dollar twenty-five per pound.

Certain elusive flavors were captured by Schrafft's. Appetites flocked to our stores and dining tables. The stores grew . . . havens of delicious taste to thousands of New Yorkers.

The famous Schrafft flavor goes out into the world in our candy boxes. A relentless pursuit of certain "tastes" in candies has brought forth a new lusciousness in favored pieces. They have been brought together in the Schrafft assortments. Each assortment is happily balanced to meet the family's little favoritisms, so that all may have many "first choices."

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SELECTED CANDIES
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INTO America's finest homes, apartments, clubs, hotels and lodges—Waite Unit Rugs are envoguing a new note of personalized individuality in smartly appointed floor coverings.

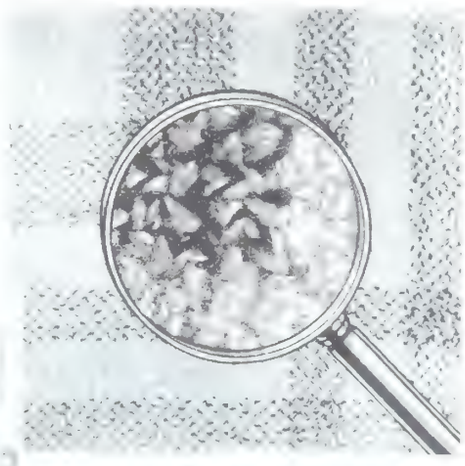
For apartment dwellers particularly . . . . and also those not in permanent homes . . . . they are ideally suited because their unique, unit construction permits them to be cut down or increased in size at any time to fit new quarters.

Waite Unit Rugs are hand-woven from thick, wool braids—in individual 18" squares—invisibly laced together. They can be designed to accommodate radiators, fireplaces and odd shaped rooms. Any conceivable color combination is possible. Sizes are unlimited—up to several hundred feet. Three important features contribute to their great durability and economy—their unusual thickness and firm texture . . . . perfect reversibility . . . . and the fact that damaged areas can be unnoticeably replaced with new units at any time.

In addition—their exclusive, unique style . . . . intriguing beauty . . . . cushiony depth of texture . . . . and infinite color possibilities . . . . give them a distinctive decorative versatility and smartness which are offered by no other rug.

By sending us a small sample of your draperies—together with a general description of the colors you wish emphasized and the size needed—we shall be glad to make up an 18" unit sample without cost or obligation to you. You can thus approve your pattern beforehand. Write for illustrated catalog in colors. Interior decorators will also be interested in complete information.

Unit Rug Division
WAITE CARPET CO.
Oshkosh, Wis.



Unlimited color possibilities enable to harmonize with any decorative scheme. Notice the thick, closely woven braids under the magnified area.

Woods And Their Influence

(Continued from page 61)

cated the beauty of the walnut grain and saw the advantages of using it as a veneer whereby they might make a design with the strongly marked grain. Interest in the matched grain walnut and the beautiful polish obtainable displaced the popularity of carving on the walnut furniture of the time of William and Mary, and Anne. Carving was used on the knees of legs and backs of chairs but in low relief and little overlay. Since walnut could not be obtained in long pieces and was costly and veneers were thought unpractical for chairs, tables tops, which had low, large tables made at this time, or when found, their tops is of

FROM THE INDIES

Very [illegible] to England by the Holland Dutch India Company, and that [illegible] and [illegible] wood was now obtainable. It was [illegible] clocks, side tables and cabinets of the [illegible] and [illegible] We [illegible] know that their lovely colors are made [illegible]

Mahogany had a place of honor. It was generally [illegible] Raleigh, [illegible] and [illegible] [illegible] Chippendale [illegible] Spanish mahogany to the other woods. Its particular quality [illegible] Chippendale [illegible] Also, the [illegible] mahogany [illegible] the production of [illegible] and of small round tilt tops made from one piece of wood. Here [illegible] mahogany to [illegible] the [illegible] plain mahogany. When figured mahogany was introduced, furniture began to be veneered and carving was less used. The wealth of other finely figured woods caused furniture to be veneered more and more, and this in turn affected the design of the pieces. Panels were then used instead of [illegible] and delicate [illegible] could be had in line.

But it was the period of Louis XV in France, the time of Chippendale and Gillow that exulted in the use of exotic woods. Some mahogany was used in this period, but it was the [illegible] which was "thuya," "zebra wood," "tulip wood" and "speckled" that was desired. Chippendale was particularly fond of [illegible] with [illegible] and [illegible], but he also used violet wood for purposes. For bright greens, there were "[illegible]" from Cuba, [illegible] yellows, there were clairembourg, lemonwood and yellow sandalwood, for red tones, mahogany, Brazilwood, sandalwood, [illegible] and [illegible], for black, gray and whites, there were [illegible] and Rhodes wood." Rosewood, which gave the colors of autumn, combined well with the red of palisander. A combination of rosewood framed in palisander with [illegible] or holly used between the two woods, was often used. Also [illegible] of lemon or satinwood framed in mahogany, amaranth or palisander.

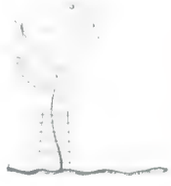
Panels were veneered with two sheets of the same wood, the veneers forming a design much in the same manner employed by Leon Jallot and other designers today. Other pieces of furniture were veneered with a "mosaic of different Indian woods." The [illegible] of these veneers and the small pieces used in their checkered grounds [illegible] work patterns often made necessary [illegible] of the elaborate ormolu bands of decoration which very often served as a network of support for the fragile woods.

In the [illegible] 18th Century, in France as well as England, the lighter colored woods gained prominence because [illegible] consistency with the delicate lines of the furniture. Riesener, the cabinetmaker for Marie Antoinette, preferred tulip, rosewood, holly, maple, laburnum, purple wood and snakewood; while David Roentgen of the same period used pear, lime and [illegible] woods. When mahogany was used it was the lighter tones that were chosen. Adam, Sheraton and Hepplewhite also had a fondness for light woods. Rosewood, satinwood [illegible] *diamondes* and sycamore or bird's-eye maple were used as veneers, while inlays and bandings were of birch, tulip, pear, coromandel, kingwood and purplewood. The chairs which were intended for painting were usually made of beech.

PLAIN SURFACES

With the Directoire and Empire periods the pendulum again swung toward plain surfaces, and straight, unadorned mahogany veneer surfaces were seen. It is an uninteresting period from the standpoint of woods.

In our modern furniture design, woods, exotic and rare, colorful and strongly grained, are again used. Different technical methods of furniture construction have made the use of [illegible] veneers more practical, but the woods remain the same. To be sure, ageing has changed the colors on the old furniture so that our modern cabinetmakers may in contrast seem to have discovered new woods. But the woods of contemporary furniture will age in time and take their places with the thuya, palisander, amboyna, macassar and amaranth of the past.



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PRESENTS IN A BEAUTIFULLY POISED AUTOMOBILE THE NEW EXCELLENCE OF MODERN MOTORING



THE NEW LINCOLN WILLOUGHBY PANEL BROUGHAM

ITH power in abundance completely controlled, a free beauty of ne, an air-borne ease of driving, e poised excellence of the new ncoln stands as a distinct mark in otor car achievement. For the w Lincoln was created to be a mplete expression of all those ualities which sound research and gineering can provide for the dvanced motor car.

This new Lincoln is impressively uxurious. It is driven with a flowg sense of wind-blown power. The ew free-wheeling transmission rings a fresh exhilaration to drivg. Gears are operated easily, uietly, exactly. Between second nd high speeds, back and forth, gears may be shifted without disengaging the clutch. By removing pressure from the accelerator pedal, the engine is automatically released and the car glides smoothly and silently on momentum.

More generous power is commanded by the driver of this car than any Lincoln has ever provided. The new engine develops 120 horsepower, and at the same time, it is more alert, more responsive, more silent. The new Lincoln is longer and lower. It is a newly designed car throughout, adhering strictly to the policy of well-balanced excellence traditional with Lincoln.

The notable luxury and safety, which have always distinguished the Lincoln, are heightened by the advanced engineering and design embodied in this car. And, immediately evident, the whole character of the car itself is expressed in the sweeping, clean flow of its beautiful lines. Prices of the new Lincoln range from $4400 upward, F. O. B. Detroit.

The new Lincoln is built as all the long-lived Lincolns that have gone before . . . in a plant famous for its precision craftsmanship. Behind it are the entire resources of the Ford organization. With such a background, its makers are able to give full expression to their fresh ideal of making a motor car as perfect as it is possible to produce.

Fine Homes



deserve the best
SCREENS
money
can buy

INCLUDE "KANE QUALITY"
RUSTLESS INSECT
SCREENS
IN YOUR PLANS

Screens, of course, must fit properly. In addition, they should blend harmoniously with the architectural design of the home. They should be sturdily made to avoid accidental damage...and fashioned from materials that will prove permanent over the years without repairs or replacements. That is why many of America's finest homes are fitted with "Kane Quality" *Rustless* Metal Insect Screens. They are manufactured only to individual measurements, guaranteeing a perfect fit... and finished in any desired color to blend or harmonize with exterior trim. The metal frames, though light in weight and neat in appearance, are extraordinarily strong. Frames are of enduring bronze, or galvanized steel, with screen fabric of Anaconda Bronze, assuring rust-proof durability.

Plan for "Kane Quality" Screens when you plan your home...order them as soon as the openings are ready for measurement. They may be had with either wood or metal frames or the new roll screens, for any style or type of window.

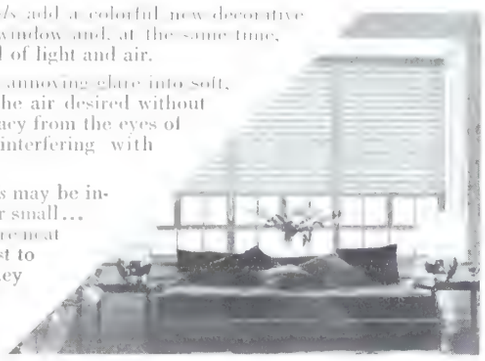
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"Kane Quality" *Venetian Blinds* add a colorful new decorative note to the treatment of any window and, at the same time, provide precise comfort control of light and air.

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The coupon below will bring you complete information about "Kane Quality" *Venetian Blinds* and Rustless Insect Screens.

KANE MANUFACTURING COMPANY, KANE, PA.

Individual Gas Systems

(*Continued from page 68*)

Where a large amount of cooking is done or where the range operates for long periods of time, coal is probably less expensive. But the cost of maintaining a coal fire all day, when probably it is used only for several hours, makes the comparison a favorable one toward the gas fuel.

Where supervision of the kitchen [illegible] or where bottled gas is installed in the "self operating" cottage or bungalow, there are many ways in which the use of unnecessary fuel may be avoided. Not only should burners be kept carefully adjusted but they must be meticulously clean, for clogged burners are the principal cause of poor heating and wasted gas. The burners should be washed about once a month in a boiling solution of sal soda, care being taken that they are thoroughly dry before being lighted again. If they are badly clogged, they may be put in the hot oven for twenty minutes, then cooled slowly and tapped all over with a knife to dislodge the dried residue. Then there are [illegible] saving precautions which can easily be worked into the routine so that the smallest possible amount of fuel is consumed for the results obtained. A small burner can often take the place of the second one used, as the heat is somewhat at the touching of the match, the gas should be turned out and lighted again if there is a short period when it is not needed. The flame, too, can be turned down when boiling is established, and the use of the efficient oven regulators will prove [illegible] of [illegible] oven cookery. Well-made [illegible] on saucepans speed up boiling five times as much as in an open kettle, and a saucepan with a bottom [illegible] enough to fully cover the burner will make very little gas [illegible] pay it way.

MENU SUGGESTIONS

The [illegible] booklet gives skillfully planned menu suggestions for [illegible] meals of [illegible] combinations and many of the [illegible] now used, meat cooked and [illegible] pace well with [illegible] to meal preparation through the method of "double [illegible] up" [illegible] and [illegible] foods.

When the gas itself has been investigated, the integrity of the company verified and the safety of the [illegible] which delivers it has been proved through the Underwriters' [illegible], there still remains the question of dependable and constant service, to determine which company will best [illegible] up to now [illegible] have excellent local facilities for delivering. Others maintain stations in all the leading cities with sub-stations in smaller towns. From these the trucking service radiates within a twenty-five mile zone. Still other companies put up their gas in containers which are ready to [illegible] in the [illegible] of the user.

Consulting the local dealer or "the man who owns one" is perhaps the most dependable way of assuring that [illegible] service will be possible.

Boat owners are delighted at the [illegible] of the home gas plant, which provides the same hot clean flame beyond the shore line. One of the [illegible] cruisers [illegible] twelve by twenty-eight inch cylinders so that [illegible] may be placed either upright or [illegible] zontal. Within the container is [illegible] equivalent of nearly twenty-five h[illegible] dred feet of manufactured gas [illegible] for instant use under its own pres[illegible] Ranges especially for maritime [illegible] may be obtained from this compa[illegible]

Some of the larger boats also ins[illegible] other gas-fired conveniences—water heaters, radiant heaters and [illegible] frigerators. The size of tank for s[illegible] board use will depend entirely on [illegible] number of appliances to be served, [illegible] size of the boat and the length of [illegible] away from the source of supply. [illegible] the distributors will give every [illegible] tance in working out these details [illegible] cruising perfection.

VARIOUS SYSTEMS

From the list which follows, [illegible] can be chosen which will fill any [illegible] or individualized requirements.

An old established firm, which [illegible] will call "A", is said to have bu[illegible] the largest private gas supply i[illegible] world. Hundred-pound cylinde[illegible] gas are supplied in such highly [illegible] densed form that a single con[illegible] will discharge the equivalent of [illegible] five thousand cubic feet of cit[illegible] The service agreement assures [illegible] tinuous and dependable local [illegible] for stocks of the gas are main[illegible] at some hundred-and-fifty cent[illegible] tions all over the country, from [illegible] trucks deliver within a twen[illegible] mile radius. Then there are hi[illegible] of sub-stations to serve the [illegible] cities and towns, and for tho[illegible] live outside even this delive[illegible] come the lighter cylinders whi[illegible] be safely shipped.

Two cylinders are contained [illegible] supply chamber located outs[illegible] house. When the first is use[illegible] replaced by the service man wit[illegible] contract so that there need [illegible] a break in the flow of gas t[illegible] refrigerator, water heater or [illegible] the many conveniences which [illegible] of city gas can be made [illegible] The heat is clean, even and [illegible] there is no priming, no pre[illegible] nothing to make the country [illegible] get the comforts of his urb[illegible]

Another splendid fuel is [illegible] by a company we will des[illegible] "B". This firm delivers its [illegible] under somewhat different c[illegible] and furnishes an almost exact [illegible] tion of city gas service, eas[illegible] Mississippi. In its great plant, [illegible] trogen gas wells is compre[illegible] shipped in special tank cars [illegible] distributing stations. Then [illegible] built trucks travel each mor[illegible] bed-ons user to the next, replenis[illegible] his supply in the single cyli[illegible] reading the meter by mea[illegible] weighing operation, without [illegible] of changing cylinders or mar[illegible] any equipment. There is no [illegible] of fuel and the exact amou[illegible] used is paid for monthly a[illegible] burned. When large amoun[illegible] will be needed, multiple in[illegible] are made without additiona[illegible] to take care of the excess l[illegible]

This gas may be installe[illegible] appliance, though the comp[illegible] proval must be secured in [illegible]

(*Continued on page*)



NORTH GERMAN LLOYD

Led by the two fastest liners afloat

the Lloyd Fleet offers you the prestige of a passage in the company of record-makers and the thrill of a crossing in the tradition of tomorrow

BREMEN · EUROPA · COLUMBUS ● BERLIN · STUTTGART · GENERAL VON STEUBEN · DRESDEN

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Rita's Toast is made in double-quick time!



EDICRAFT SPEED TOASTER
Rita sets it—and forgets it. Doesn't watch. Doesn't care. Toasts 2 slices at once—opens automatically.

"*Anyone* who has an electric light socket can be a good cook now", says Rita. "Edicraft appliances make it impossible for mistakes to happen."

And besides, it's not like Rita to blush unseen in the kitchen. With her Edicraft appliances she's a wonderful cook right at the table. Fair play to her, she gives most of the credit to Edicraft.



Her Coffee is served by the beautiful Lamp

EDICRAFT MENLO SIPHONATOR
Perfect coffee every time—pallid or powerful as you prefer it. For the Siphonator also heats hot water for diluting coffee or for making tea. Buy the beautiful urn alone—or with matching tray, creamer and sugar.



Her Sandwiches are toasted by

EDICRAFT SANDWICH GRILL
Toasts two sandwiches quickly—and even broils chops, bacon, etc., right at the table. Thermostatic heat control.

Edicraft appliances are automatic, they're swift, they're sure. They are distinguished additions to the tea-table as well as indispensable at the family breakfast. When you see them, look at the "working parts"—you will see the reason for their superiority.

EDICRAFT

Thomas A. Edison

Recent Developments In Buildin

(Continued from page 88)

IRON-COPPER RADIATOR

CAST iron and copper have been combined to produce a radiator that gives off both radiant and convected heat. A heater of cast iron with [illegible] tubes [illegible] provides radiant heat. Copper tubes and [illegible] joined to the cast iron front, the whole encased in a steel [illegible], give convected heat which, delivered through a vertical grille, diffuses throughout the room.

Of the total output, about 50 per cent is radiant heat given off by the cast iron front, and 50 per cent is convected heat, sent into the room on a gently moving current of air. Steam or hot water is passed first through the low-temperature cast iron and thence to the copper tubes and fins which respond quickly and supply heat at once. When the heating medium is below temperature, the unit is low to cool. This quick heating response and slow cooling are important advantages.

The heater may be wholly or partially concealed in an [illegible] or [illegible] wall. It is small in size and lighter in weight than cast iron radiators. It is delivered ready to be mounted; installation is simple. Comfort is promoted by the low delivery of radiant heat and the fact that the lower zone of the room receives the most heat. Economy is furthered not only because of quick heating and slow cooling, but also by low temperature operation between periods of heating, which in turn results from use of low radiator surface and from outward, rather than upward, direction of convected heat.

DOUBLE DOOR WEATHERSTRIP

WEATHERSTRIPS for doors will not keep out cold when doors without having poor fitting stiles leak heat and permit the entry of [illegible] dust. The problem of weatherstripping such doors, both effectively and economically, has been solved. The solution is in the form of a type of rubber that [illegible] grips the metal stripping. There is [illegible] on the face of the door and [illegible] on the jamb. Air [illegible] between these [illegible] and [illegible] is prevented. Many [illegible] are [illegible], and no readjustment may be required.

STEEL FRAMING

WITH [illegible] steel [illegible] used for wide spans in place of heavy [illegible] and [illegible] over garages and [illegible] and windows, bath tub [illegible], and [illegible] and sinks, laundry chutes and cabinets, the entry of [illegible], [illegible] and [illegible] material into residential construction is well advanced. It has [illegible] to steel framing, and now recent improvements that [illegible] further [illegible] and [illegible].

Any dimension which architects require can be met within a maximum difference of two inches. Steel framing members are perforated on two-inch centers, permitting absolute flexibility of [illegible] and detailing.

A second feature is that the components [illegible] fabricated at the mill and [illegible] are thus ready to erect, [illegible] [illegible] tools [illegible], no cutting, fitting, welding or riveting. Erection is carried forward rapidly. Furthermore, all studs [illegible] assembled on 16-inch centers, making possible the use of standard building materials.

Thus, any design, on any type of foundation, may be developed in the favored material, and the rigid, [illegible] framing cannot be attacked by rot, termites or vermin, nor will it settle, warp, twist or shrink.

MOVABLE BRACKETS

EASILY moved brackets on wall lights that plug into baseboard outlets are supported from the floor on slender, inconspicuous shafts that hug the wall closely. Lights and furniture may be arranged and rearranged in any desired manner. These movable brackets give absolute freedom from the restriction of fixed outlets. They require practically no floor space and are not fastened to wall or floor. Two pewter designs are offered together with one in pewter and Colonial brass, one in early English waxed pine, two in antique gold and one in antique bronze and color. There is a pattern suited to any room. Against the wall they form an interesting decoration and supply light where it is needed.

INSULATING QUILT

ONE of the well-known insulating quilts is now available in a new one-inch thickness. Vermin and decay proof, and possessing high resistance to the passage of heat and cold, one layer of this inch-thick quilting takes the place of several thicknesses of thinner materials, so reducing installation costs. Another new feature is that the quilt on special order may be had made with asbestos in place of kraft paper. The material is sold in rolls containing 125 square feet.

DUAL HEAT CONTROL

FOR maintaining desired room temperatures, one of 72 degrees, for instance, from seven in the morning until eleven at night, and one of 64 degrees for the eight hours of rest, a system of three units possessing several new and perfect advantages is available. Completely automatic, this system for heat control is never failing and so flexible as to solve many control problems.

Comfortable rooms and economical heating operation are assured whether coal, coke, gas or oil is the fuel used and whether hot air, hot water, steam or vapor is the form of heating. By means of its program and astronomic clocks, the system will turn on or off the porch lights, driveway lights, electric heaters in bathrooms, the radio for getting up exercises or news and in the morning it will ring rising bells and turn automobile manifold heaters on or off.

It will start the hens scratching at six-thirty on winter mornings by lighting lights in the chicken house, it will start humidifiers when it starts the heater, it will operate window closing devices and by means of extra pins

(Continued on page 114)



GARGLE EVERY 2 HOURS

when you have a cold or inflamed throat

You can often relieve sore throat and check a cold before it becomes serious, by gargling with undiluted Listerine every two hours.

Listerine used thus repeatedly seems to give nature an extra attacking force she needs to overcome disease germs multiplying in the nose and throat.

This safe, healing antiseptic kills germs in 15 seconds (fastest killing time accurately recorded by science). Even Staphylococcus Aureus and Bacillus Typhosus in counts ranging to 200,000,000 are killed by it in that time.

Used in the mouth, it first kills and then removes such dangerous organisms as the Streptococcus Hemolyticus, M. Catarrhalis, and B. Influenzae, the germs usually associated with colds and sore throat.

When Listerine is used as a mouth wash and gargle, it reduces the number of germs in the mouth 98%, as shown by repeated tests employing the method used at the great Universities. Moreover, it soothes inflamed tissues and sweetens the breath.

* * *

Make a habit of gargling morning and night with Listerine, as a precaution against having colds and sore throat. Once these troubles have developed, however, consult your physician and increase the frequency of the gargle. Lambert Pharmacal Co., St. Louis, Mo., U.S.A.

KILLS 200,000,000 GERMS IN 15 SECONDS

LISTERINE ***reduces mouth bacteria 98%***

Down comes the price — 50¢ quality Listerine Shaving Cream — now 25¢



What Makes a Violet so Delicate and Pleasing?

[illegible] Impressive beauty also [illegible]

WALLS Should Come FIRST

IN PLANNING THE BEAUTY OF YOUR HOME

THE charm and beauty of any room depends, primarily, on the wall covering. Good decoration enhances the charm of fine furniture and beautiful hangings, largely influences room perspective and is a most important factor in securing the desired tone or mood for which expression is sought. Walls should come first — and Wall-Tex, the fabric wall covering of enduring beauty, richly deserves first consideration when this important question of decoration is decided.

Wall-Tex gives you wide selection of attractive new patterns and colourings — and the added richness of *fabric texture*. You may choose from conventional or modernistic designs, bright colors or pastel tints.

Wall-Tex retains its beauty through the years. Tough and closely [illegible] it is not easily marred. The water-proof surface can be quickly cleaned with a damp cloth or washed thoroughly with mild soap and water.



[illegible] A modern use of Wall-Tex [illegible]

[illegible] decorator or dealer to show you the [illegible] Wall-Tex [illegible] Write us for samples [illegible] Booklet "Ten Important Points [illegible] Decoration" and "The Modern Trend [illegible] Wall Coverings."

[illegible] colorful patterns, copper tones,

WALL-TEX

fabric wall coverings of enduring beauty

Recent Developments In Buildi

(*Continued from page 106*)

[illegible] furnace it will easily provide a special heating schedule for week-ends and holidays when everyday [illegible] are reduced.

The first of the three units is a dual control thermostat which is located, usually, in the dining room. Its two dials are set, one for day and one for night temperatures. It maintains these temperatures, automatically shifting from one to the other. It requires no attention once set unless a new range of temperature is desired. This unit is furnished in a variety of colors; in size it is approximately three and a half inches wide, five and a half high and two deep. When it is desired to maintain the "day" temperature later than the usual retiring hour, this is done by simply turning the "night" dial to the desired temperature, turning it back upon retiring.

The second unit is an electric m[illegible] and a self-winding 15 jewel [illegible] mounted near the heater. This is [illegible] nected electrically with the therma[illegible] and mechanically with the draft [illegible] check dampers on coal fired furn[illegible] and electrically or mechanically [illegible] the supply valve on gas fired bo[illegible] and electrically to oil burner mo[illegible] The motor wound clock which is [illegible] operated directly from the electric [illegible] rent will continue to operate for [illegible] and a half days should the current [illegible] It is provided with a device w[illegible] makes it impossible for the sprin[illegible] become unwound.

The third unit is a suitable form [illegible] limiting control, including the [illegible] gram and astronomic dials alre[illegible] referred to; these control the he[illegible] and may control, by auxiliary circ[illegible] other devices as mentioned.

Individual Gas Systems

(*Continued from page 104*)

they may give efficient results. Back of [illegible] of research and resource, and capital which assures a future gas supply without the possibility of a doubt. And through their coöperation with one of the well-known stove companies, equipment may be obtained which will secure the greatest in value and satisfaction for the gas consumed.

Company "C" makes a point of recommending its gas for lighting as well as cooking, water heating, refrigerating and laundry purposes. The heat from this gas does not flicker and is soothing to the eyes. It is a real natural gas, purified and compressed into [illegible] cylinders, two of which are enclosed in an outside chamber [illegible] with [illegible] and [illegible]

Each cylinder contains a supply estimated to serve the average home for about two-and-a-half months, giving [illegible] and [illegible] than which flows under constant pressure. Behind this product stands a company of huge assets.

The company's own engineers have developed the lighting fixtures for both attractive appearance and economical operation, and it cooks [illegible] the purpose for which the gas is intended, [illegible] included.

Still another firm ("D") distributes through the New England States a pure natural gas from the oil fields of Oklahoma. Their installation carries a five-year guarantee against defective parts. Their equipment also is of the type of Company "A", with two removable cylinders, and they, too, coöperate with a stove manufacturer so that maximum results may be secured from their gas by the use of an efficient type of equipment. This gas, too, burns just like city gas, at the turning of the cock and striking of a match and may serve any kind of gas appliance.

A company which has been distributing liquified petroleum gas for domestic use for almost a quarter of a century, we will list as "E". This gas is installed in two cylinders outside the house and in operation is the same as natural gas. It is advertised as cheaper than electricity, safer than [illegible] lights instantly into a hot, blue non-odorous flame and may be used with range, water heater, li[illegible] ator, system or any other equipm[illegible]

The Pacific Coast, especially, is [illegible] vored by Company "F", which bot[illegible] the volatile parts of natural gas [illegible] metal cylinders at a very mode[illegible] pressure. This provides one of [illegible] heavier forms of natural gas for co[illegible] ing, water heating, laundry applian[illegible] refrigerating, for incidental heat [illegible] or, in warm climates, for actual ho[illegible] heating. For use on board a boat, t[illegible] company compresses its gas into d[illegible] ferent sizes of small containers to s[illegible] the needs of any maritime kitch[illegible]

The facilities and resources of [illegible] great oil company serve the Pac[illegible] Coast in the gas distributed by co[illegible] pany "G". Cylinders, holding one-hu[illegible] dred pounds each, feed the gas to ran[illegible] water heater, refrigerator, laundry [illegible] lighting plant, each container holdi[illegible] enough fuel for from two to th[illegible] month's supply in an average fami[illegible] This same average family spends t[illegible] following amounts, they estimate, f[illegible] the daily [illegible]

Average dinner	5 cents worth of g[illegible]
20 gallons of bath water	[illegible] cents
Mantel lamp	1 cent per hour
Radiant heater	8 cents per hour

The company advises the cli[illegible] considering the installation of the [illegible] service to order the equipment need[illegible] to burn it from the local dealer [illegible] through the gas salesman as the com[illegible] pany itself does not furnish the ap[illegible] pliances to burn their fuel.

A company we will call "H", h[illegible] the gratifying task of making simp[illegible] and easy the preparation of meals o[illegible] shipboard. The steel cylinders whic[illegible] contain about fifty pounds of the [illegible] highly satisfactory fuel are designe[illegible] for storage in the compact quarters o[illegible] a boat and as the gas generates its ow[illegible] pressure, pumping into the cylinder i[illegible] unnecessary. The fuel is in the form [illegible] of gas the entire distance from th[illegible] cylinder to the range so the dange[illegible] of an inflammable liquid leaking int[illegible] the galley is happily absent. Th[illegible] ranges put out by this company ar[illegible] real ship stoves, clean, safe, convenien[illegible] and versatile. There is no pre-heating



C. N. P.

Directoire . . .
FOR THE MODERNS

A Directoire window—white silk curtains edged with gold braid, gracefully and ever-so-carefully draped . . . furniture that would have delighted the Empress Josephine . . . to finish the picture, a lash of brilliant tulips—this, in a home of modern feeling.

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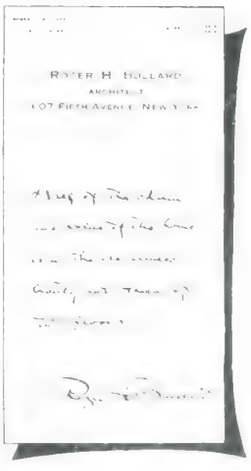
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Listen in to the General Electric Program broadcast every Sunday evening over a nation-wide N. B. C. network.

GENERAL ELECTRIC

SUNLAMP

Refinishing Of Old Furniture

(Continued from page 64)

will have the effect of beautiful old maple. On poplar, because of the decided difference in tone, the coloring is sometimes used only on the lighter parts of the wood. Oil stains, of course, may be used instead of pigment colors but these must be applied lightly and the important thing to remember is to use a stain which stains the grain and texture of the wood. Oaks, stained mahogany color, for instance, will always look like a poor imitation, while cherry, butternut, sunwood or birch are well adapted for a mahogany style. When the color is right and thoroughly dried, the piece is ready to [illegible]

Old wood is treasured today, very much as it was by cabinetmakers of other periods. For the amateur, a rush-bottom chair rather than one that need not waxed to be recommended. It requires [illegible] and patience, although it should be borne in mind that any kind of refinishing considerable work and rather a lot of ready to put off our days [illegible] the pleasure [illegible] our own [illegible] remains.

Shellac as a wood finish first came into general use in England in the latter part of the 17th Century, when it appeared on some of the exquisite marquetry of the William and Mary period. It was also used by the famous Gesso [illegible] Chippendale, Hepplewhite, Sheraton and the Adam Brothers. Its general use [illegible] days, however, for the old records [illegible] mostly varnishes and shellac [illegible] and both [illegible] with the precious application of wax. After several coats of shellac were applied, a polish was given with a paste of beeswax and turpentine. Today, the [illegible] is a rapid method and one with which the worst handed [illegible] can experiment and even [illegible] The [illegible] should be thinned with [illegible] alcohol, the ratio being about one part shellac to four parts alcohol. Apply two or three coats, rubbing down all but the last with the finest sandpaper or steel wool. The final coat should be applied with [illegible] and left. The best way to [illegible] is to [illegible] heavy wool pad with crude or linseed oil, then sprinkle it with pumice, taking care that the pad does not become dry enough to allow the pumice to scratch. Each coat of shellac must be thoroughly dry before the next is started. The rubbing must be done with a gentle pressure in order not to break through the film. When the work is completed, the piece should be sponged with an oily rag. This process is greatly improved by preceding it with the wax treatment already mentioned, but where the oil is found to darken the wood too much it may be omitted. A piece of furniture finished with shellac has the advantage of a hard surface which is not easily marred.

During the Jacobean period in England, the furniture was either left in natural state or given a dressing of oil or wax or both, and these treatments continued in favor for the simple cottage and farmhouse furniture, usually of oak, and even for some of the more ambitious pieces.

In using linseed oil and wax polishes today, especially on open grained woods such as oak or mahogany, it is sometimes thought best to give a preliminary application of shellac to fill the pores and make a more smooth and durable surface. The shellac should be well rubbed, until virtually none remains on the surface. The oil or wax is then applied, standing twenty-four hours, as previously described, before waxing. Ordinary paste wax may then be put on with a scrub brush, first across and then with the grain. After standing about an hour it should be polished with a pad of wool cloth, first in a circular motion and then parallel with the grain. Follow with a second coat, applied with a piece of cheesecloth and polished in the same way.

Above all, in refinishing furniture, make sure the surface is clean and smooth and dry before beginning. Then secure a mellow and appropriate color by use of pigment, or stain wood. Finally, no matter whether the finish is to be shellac or wax, be prepared to use patience and perseverance in the matter of polishing. When the work is done, preserve its beauty [illegible]

Pentstemons Bring Rainbow Color

(Continued from page 84)

[illegible], clear blue, through violet to reddish [illegible]

[illegible], [illegible]

Reports of dark purple.

[illegible]

[illegible]

P. humilis, deep bright.

P. lincolatus, deep blue.

[illegible]

[illegible], purple, [illegible]

[illegible], bright purple.

P. davidsoni, dark purplish blue.

[illegible], purple to blue, tall.

P. fruticosus, lilac-purple.

[illegible], pale lavender to violet.

P. laetus, deep blue, violet, pink.

[illegible], violet.

[illegible], dark blue to purple.

P. procerus, blue violet.

[illegible], bluish purple to clear blue.

P. speciosus, rose-purple, lilac, blue.

[illegible], lilac to blue.

P. [illegible], cream and lilac.

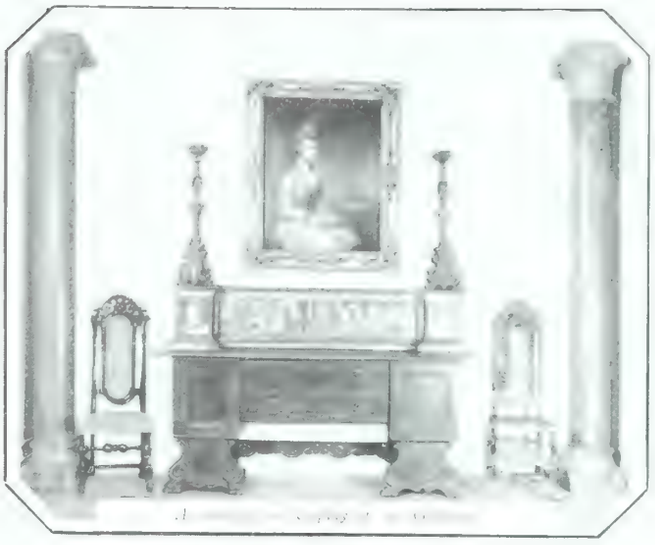


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The booklets listed below will give you more detailed information. Write to us, and we will be glad to have any or all of them sent to you.

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Photo by L. Mori

A quick-growing little annual from Portugal, known as Violet Cress, forms dense clumps of violet colored flowers scarcely two inches high. Excellent for the rock garden and will not crowd out other plants

Worthy Rock Garden Annuals

(*Continued from page 79*)

Clarkia. Elegant Verbena-like annuals for the rock garden. They are trailing in habit and bear fragrant Verbena-like flowers head over a long season. *C. bottae*, a rosy-yellow-flowered species found near the western coast, *C. concinna* bears pink flowers and is also found near the coast, *C. pulchella*, the Deer's Tongue Clarkia, bears lavender flowers. Sow seeds in April or May in sandy soil.

Anagallis monelli parksi, the trailing scarlet Pimpernel, and *A. m. grandiflora*, with large blue flowers, easily grown annuals, are good for rock gardens. They grow about six inches tall.

Collinsia grandiflora, the Blue-spotted Innocence, whose flowers are of a most delightful shade of blue. Three inches tall.

Asperula azurea setosa, the Blue Woodruff, a fluffy little plant with many whorled gray-blue flowers in clusters, self-sows freely. Six inches. Summer bloomer.

Leptosiphon, Sunshine, a pretty annual native to California, grows about six inches tall and bearing yellow star-shaped flowers in profusion.

Convolvulus tricolor, a hardy annual of very dwarf habit, profusely bearing bright blue-purple blossoms of very small size. There is also a white form. *C. loreyi* grows taller, at least four feet high, and bears over a long period very large blossoms varying from white to mauve. Very effective.

Cotula coronopifolia, Brass Buttons, a small annual six inches tall, bears rayless yellow flowers. Not very pretty but useful in damp places.

Cynoglossum nervosum, bearing beautiful sky-blue blossoms throughout the summer and autumn, is very valuable. It grows twelve inches tall and in this garden self-sows freely.

Downingia elegans or *D. pulchella*, very small plants bearing blue and yellow Lobelia-like blossoms and narrow leaves. Four to six inches tall. Cultivate. Downingias are relative of Campanula.

Eschscholtzia, California Poppy. There are several diminutive forms suitable for use in the rock garden. *E. tenuifolia*, with Primrose colored blossoms and gray leaves, is one, and *E. c. prostrata* another. They are no more than five inches high and are fragile and prey like in habit.

Erythraea venusta, Pink Gentian. One of the most charming of California wildflowers, growing under six inches high and bearing a quantity of bright pink flowers in heads that have been compared to little bouquets. Grows well under quite dry conditions.

Gilia. Several of these charming western annuals may be made use of in the rock garden. *G. androsacea*, *G. dianthoides*, the Fringed Gilia, an exquisite little plant reaching a height of two to four inches, with grass leaves and the characteristic Phlox-like blooms, pink or lilac, with a yellowish throat. Likes to grow in sandy ground.

G. tricolor, Bird's Eyes, grows from nine to twelve inches tall and bears pretty pale lilac flowers yellow at the center. *G. nivalis* grows eight inches tall and bears lovely pure white fragrant flowers stained orange at the throat. The Gilias come from the foothills of the coastal ranges.

Gilia (*Leptodactylon*) *pungens*, a tiny plant with feathery greenery and pink inflorescence, the effect of which is like a minute sunset cloud. It is a hardy annual that likes a dry, sunny position and lime in the soil.

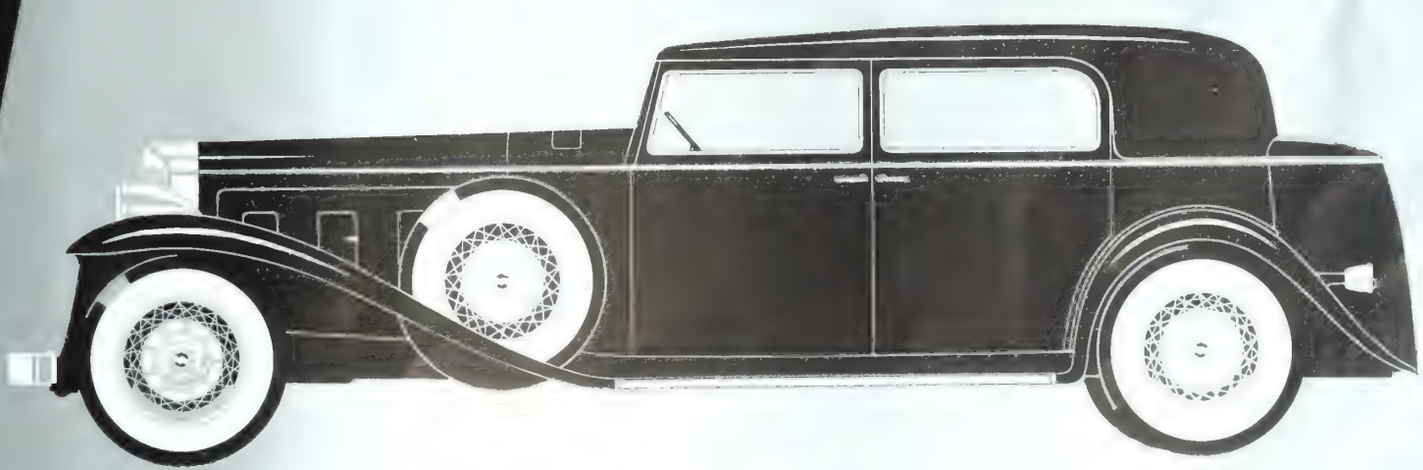
Grammanthes gentianoides, a thick-stemmed annual bearing bright orange colored flowers. It likes best a situation in full sun.

Ionopsidium acaule, the Violet Cress, is an engaging, quick-growing little Portuguese annual no more than two inches high, forming tiny dense tufts of violet-colored flowers. This is one of the best of rock garden annuals and is too small to be a source of peril to the most delicate alpine. Sow seeds in spring in places where they are to remain.

(*Continued on page 114*)

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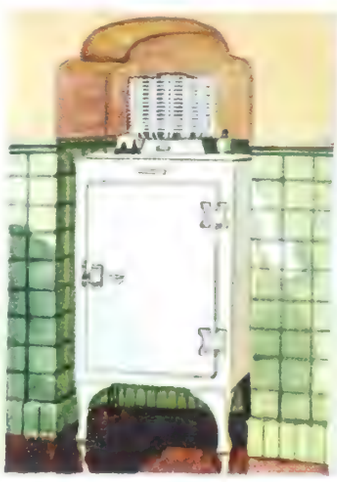
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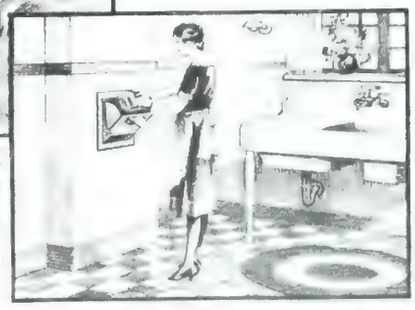
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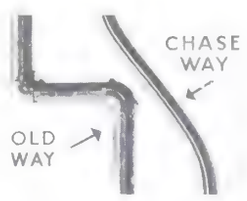
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Worthy Rock Garden Annuals

(*Continued from page* 112)

Kaulfussia amelloides is a free-flowering South African annual bearing a profusion of lavender-blue Daisies with a deeper-toned disc. It likes sun and to be sown where it is to flower. Hardy. Nine inches.

Layia elegans, Tidy Tips, another Californian growing a foot tall with yellow Daisy flowers, sometimes white tipped. Foothills and plains.

Leptosiphon hybridus, tiny three-inch plants thickly studded with brilliant small blossoms of various colors. *L. aureus* is similar in type but bears yellow flowers. *L. androsaceus* grows taller, nine inches, and is a profuse blooming plant bearing large heads of lilac and white flowers. These are hardy annuals and may be sown early where they are to bloom.

Limnanthes douglasi, Meadow Foam, is a charming Californian Poppywort, with slender half trailing stems carrying many large, frail "Poppies" that are white with a yellow base. It is a vigorous plant and should not be placed in the choicest positions. Self-sows.

Linaria alpina, a delightful little biennial with small brilliant lipped flowers in orange and purple freely borne on half trailing plants and neat gray-green foliage. Blooms all summer and autumn. Self-sows. Sometimes considered perennial but has never been so in my garden.

Mesembryanthemum crystallinum is a dwarf half-hardy annual that thrives in arid sunny situations. It grows only three inches tall and bears large rose-colored flowers with a dark center.

Mimulus luteus, Pink Monkey Flower, is a four-inch annual with rather large bright pink flowers. It likes a moist soil.

Nemophila insignis, the well known Californian annual called Baby Blue Eyes by reason of the soft blue hue of its flowers, grows well in dampish places and in partial shade. Four to six inches tall. *N. maculata* is a little plant of spreading habit with white flowers, each petal of which wears a purple spot. Also thrives in shade.

Nolana prostrata, the Chilian Bellflower, is a vigorous plant from South America with trailing stems that makes a good ground cover in sunny places. The blossoms are like small lavender Morning Glories. It is too vigorous for choice situations but may be used as a ground cover over strong growing bulbs. It does not transplant well so is best sowed in places where it is to bloom.

Nycterinia selaginoides, a half-hardy annual with pale blue and white flowers, is delightfully fragrant towards evening. *N. capensis* with white flowers is also attractive.

Oenothera trichocalyx, a Californian biennial that flowers the first season. The large blossoms are white and remain open all day and are sweetly scented. It grows about eighteen inches tall and is bushy in habit, so requires space.

Omphalodes linifolia, Venus' Navelwort, a dainty and graceful little plant producing a cloudy effect with its profusion of milk-white blooms and soft gray leafage. It grows about ten inches high and any sunny place will suit it.

Phacelia campanularia, sometimes called the Gentianette, is one of the most beautiful of the Californ flora. Its flowers are bell-shape pendent clusters and of the most l ly blue, brilliant and pure, and duced in a long succession. It gr from eight inches to a foot high forms neat little bushes of light g green foliage. Prefers light, warm with lime.

Platystemon californicus, know Cream Cups in its native lower C fornia hills, is a pretty, graceful p with slender, hairy stems and glau leaves, growing about a foot tall bearing cream-colored flowers o stained with bright yellow. Sow w it is to flower.

Sanvitalia procumbens is a s little spreading plant that bears Sunflowers in the greatest profu It is a plant for a hot, sunny si tion. Half-hardy annual. Six inc

Saponaria calabrica, related to roadside Bouncing Bett, is half trail in habit and bears masses of bri pink blossoms the summer through Likes a sunny situation.

Sedum caeruleum, annual men of this almost wholly perennial fa ly, is one of the most precious of sm treasures. It grows only an inch or high and bears small pale blue flow on gray-green mounds of leafage is a very pretty plant for small cha crevices in soil that is on the side dampish. It comes from the regi about the Mediterranean. Sow wh it is to bloom. The two bien Sedums, *S. sempervivoides* and *S. rosum*, are the brightest jewels in Sedum crown. They are easily rai from seed.

Silene petalon-zwalkeri, a hardy nual with white flowers, may be so about the edges of the rock garden the sake of the quite delightful f grance that is given off in the ea morning and at sunset. It grows ei inches high.

Silene armeria, Lobel's Catch grows a foot tall and bears in gr quantity heads of bright rose-p blossoms. *S. pendula compacta*, E press of India, is described as formi dainty little bushes of purplish liage and stems covered with brillia deep crimson-rose flowers. Four inch

Specularia speculum (syn. *Ursinia*) *spec* grows six inches tall, is spreading bushy and bears a profusion of li yellow flowers with a dark center. is a hardy annual.

Saxifraga sibthorpi is a small a mid member of this great race w yellow flowers. It grows cheerful beside *Sedum caeruleum*. *S. cymbala* is another annual Saxifrage that worth a trial.

Verbena chamaedrifolia with gra ish leaves and brilliant scarlet flow assembled at the ends of its three five-inch stems is one of the m striking plants of the whole year the rock garden. Its habit is traili and in sunny places it will cover good deal of ground.

Veronica glauca is a pretty litt annual not often seen. Like so ma of its family its blossoms are brig blue. It comes from Greece and gro no more than four inches high.

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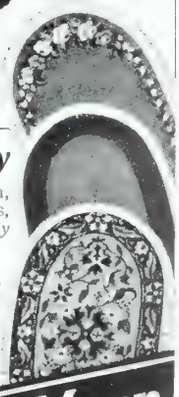
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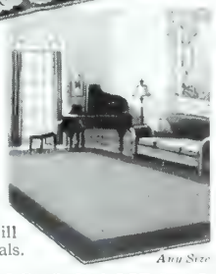
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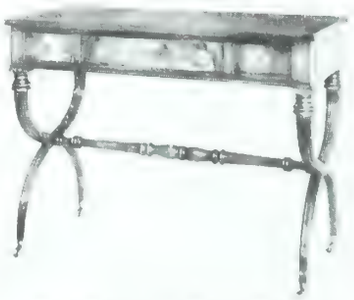
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(Continued from page 77)

follows the flower and seems to be a delicacy for bears. The plant is easily established, grows as well in the sun as in the shade, thrives in any soil and does well at the seashore.

Aspidium acrostichoides, the Christmas Fern, is another good one. Its deep green fronds, twelve to fifteen inches high, stand up through the severest winter. Magnificent plantings have been made with it, it should be planted one foot apart in good garden soil and be grown in the shade.

Euonymus, Wintercreeper. The following varieties are desirable: The well known *Kewensis*, a dwarf with long narrow leaves, white veined and purple underneath; *Carrierei*, with larger and greener leaves than *Radicans*; *Minimus* or *Kewensis*, called the Box Wintercreeper, a dainty trailer with tiny leaves for small plots, and the now well known *Vegetus*. They unfortunately are easily attacked by scale insects and need spraying, their fine green foliage, however, warrants extra care. The fruit of all Euonymus is very ornamental. They will grow in any soil but are happiest in the sun.

Hedera vitis. English Ivy. The small leaved varieties are perhaps the most suitable, some of them are not too hardy but are excellent in sections where the winter is not too severe or where snow will cover them with a protecting blanket. In the spring the [illegible] must be cut off and in the summer the plant needs trimming, in order to have an even carpet. All Ivies require good soil and they should not be planted under trees which root at the surface. Shade as well as sunny places suits them.

Juniperus. There are three varieties which I recommend for ground covers: *Juniperus communis depressa*, the Prostrate Juniper; *Juniperus horizontalis*, also called *Juniperus sabina prostrata*, known by the common name of Creeping Savin and *Juniperus horizontalis Douglasi*, known as the Waukegan Juniper. All three form a dense mat, grow rapidly and are especially adapted for slopes and terraces. They will grow in light or heavy soils but do not thrive well in the shade.

THE HONEYSUCKLES

Lonicera. Two varieties can be used effectively, *Halleana* and *Hecrotta*. They are climbers but if they do not find any support, they will trail over the ground, making a mat of lively green foliage about one foot high. They are not evergreen in the north; in Minnesota they need protection.

Like the Woodbine, they are indestructible but are not happy in dense shade. They will grow in any soil; in fact, the poorer the soil, the smaller the leaves and the better the effect; they do not flower when they trail. Being rapid growers, they can not be used in small spaces.

Pachysandra terminalis, Japanese Spurge. This excellent plant hardly needs any description, it now being pretty well known to all garden lovers. Uniformly six to eight inches high, growing in any soil in the densest shade even under Norway Maples, evergreen in the real sense of the word, perfectly hardy, attractive foliage and greenish white, small flowers in May or June—what more can we ask? It will appreciate a mulch of peat moss at planting time to keep the weeds down, once Pachysandra is well established the weeds have no more chance. A ground cover *par excellence*.

Vinca minor, Common Periwinkle or Blue Myrtle, is another well known ground cover. It came from Europe and feels perfectly at home in its new country. In places where it has escaped from cultivation, in orchards of old abandoned farms, it has made dense mats, covered in April and May with blue flowers. It will grow in shade and sunlight and prefers a moist soil.

The foliage of the following plant is not evergreen and therefore pretty only in the growing season, but the bloom with a wealth of flowers:

Ajuga reptans, Carpet Bugle. The leaves, developing from creeping stems, form a dense mat three to four inches high, they turn purplish brown after the frost has touched them. The flowers, which appear in abundance in May and June, vary from blue to rose, it does well in practically any soil but prefers partial shade.

HEATHER AND OTHERS

Calluna vulgaris, Scotch Heather. It is not necessary to describe this most charming plant, which is well known but not used enough. Hardy as a rock it will thrive in poor soil; if it does not, some tannic acid will put it right as it is a lover of somewhat acid soil. To get the best effect, the plants must be cut down in early spring.

Lisimachia nummularia, Money wort or Creeping Jenny. Another lovely creeper which remains very low and can be used to cover small spaces. The bright yellow flowers bloom in summer and again in the autumn. Moist soil and sun.

Roses. Three varieties of Roses are extremely useful as ground covers. They must be planted where they will have plenty of space to develop, where they have sun and fertile soil. The trailing, horizontal branches produce a wealth of flowers in June and the foliage of all three remains green until severe frost. They do not need any pruning, Nature takes care of that the strongest branches will survive.

Evergreen, a hybrid Wichuraiana, has yellow buds and small, double white flowers; Max Graf, a Rugosa hybrid, has large, shining pink, single flowers and real Rugosa foliage, dark green and leathery. Wichuraiana, the parent of so many beautiful climbing Roses, has small pure white flowers, carried in large clusters. A large bank, planted with these three Roses in three separate masses, will be beautiful when the Roses flower.

Thymus serpyllum, Wild Thyme. Practically all the varieties of Thyme can be used advantageously as ground covers. Excellent are the White Mountain Thyme; the brilliant scarlet *Coccineum* and also *Splendens*, perhaps the best. Planted between flagstones, they crowd out other vegetation.

Veronica rupestris, Rock Speedwell, closes the list. It creeps densely along the ground, forming a thick mat; its small attractive foliage alone would make it valuable but besides, a cloud of blue flowers covers the plants in June. It prefers a sandy soil.

New Stars! — in the Firmament of Flowers!

Schling presents

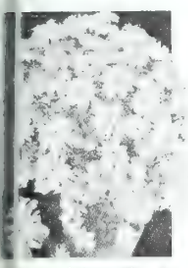
—with pride and pleasure—23 *NEW flowers for* 1931

Never have there been so many or so entrancing new presentations—and to them we have added some 40 other varieties equally desirable, little known Rarities and Schling Specialties—the delight of the flower loving *cognoscenti*. Amid so much distracting loveliness it is hard to choose—best order the entire collection (See Offer E) and treat yourself and your friends to a glorious gardenful of beauty.

Novelties of 1931

★ ***Absolutely New!*** ★

Offer A—a $14.65 value $12.00



Edelweiss Aster (Offer A)

Edelweiss Aster—Snow White—[illegible] of a new line of asters very sweet and floriferous—10- to 12 inch plants covered with snow white flowers resembling Alpine Edelweiss. Perfect for bedding. Pkt. 75c

Ageratum Mexicanum Nanum, Rosabelia—An exquisite new loop flower variety. Very dwarf, and with Ageratum Blue Cap below, is unsurpassed for border plantings. Pkt. 75c

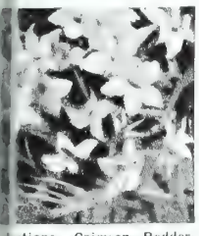
Ageratum Blue Cap—A decided improvement on Little Blue Star. Each little plant forms a compact dome of blue flower. Pkt. 75c

Arctotis Previscapa Aurantiaca—Another lovely golden yellow daisy from Africa with purple center. Flowers very freely. Pkt. 50c

Aquilegia Crimson Star—A new Columbine with brilliant flowers of a rich crimson, carried on long graceful stems. Pkt. 75c

Early Spring Flowering Aster, Subcaeruleus, Wartburg Star—Blue aster-like flowers of bright lavender blue, 1 inches across on 2 ft. stems. Bloom in May and June. Extremely effective with white daffodils or narcissus in bed or vase. Pkt. 75c

Gold-flowered Dahlia—A very unusual star shaped annual Dahlia in yellow, red, orange or canary yellow. Its long twisted petals, often with contrasting colors on front and back, make it a novelty of very distinctive effect. Pkt. 50c



Nicotiana (Offer A)

Nicotiana Affinis, Crimson Bedder—Deep crimson flowers borne freely on 15 inch plants. A splendid bedding plant. Pkt. 60c

Gypsophila Pacifica—A new and very handy Baby's Breath whose pink blossoms form a wonderful contrast to G. Paniculata, the white variety. Unexcelled for flower arrangement. Pkt. 75c

Eryngium Amethystinum—A charming perennial whose branched blue flower heads may be picked and dried for a winter bouquet. Also very effective in the border. Pkt. 50c

Pentstemon Spectabilis, Blue—An abundance of bell-shaped flowers of [illegible] blue carried on 4 to 5 ft. spikes. Pkt. 35c



Giant Scabiosa, Loveliness (Offer A)

Beautiful Scabiosa, Loveliness—Very unusual in form and color, a delicate salmon-rose. Delightful fragrance. Pkt. 50c

Flower Nudicaule Delicatum—A new and worthy rival to the famous Coonara Pink. Delicate rose color. Pkt. 75c

Double Heliopsis, Golden Yellow—A much improved and very double variety of brilliant golden yellow, borne on stems often 3 to 4 ft. high. Pkt. 35c

Linania Anethoides, New Hybrids, Jewels of the Veldt—A delightful flower from South Africa with flowers as of a rich orange contrasting with a center varying from ruby red to dark purple, spangled with jewel like dots. Blooms June to September. Pkt. 50c



Linania Anethoides (Offer A)

Petunia Hybrida Grandiflora, Queen of the Market—A magnificent new Petunia of the most vivid scarlet. Flowers 3½ inches across, petals boldly waved. A profuse bloomer and wonderful in bed or window box. Pkt. 75c

Petunia Hybrida Nana, White Cloud—A grand new dwarf hybrid. Large pure white flower. Force on fifty bees. 1 ft. tall. Pkt. 75c

Petunia Hybrida Nana, Cockatoo—Very dwarf and compact, 8 ins. tall. Large petals deep velvety violet, tipped with white. Very striking in bed or border. Pkt. 50c

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African Orange Marigold, All Double—A brand new California introduction. Produces 100% of fully double blossoms. Pkt. 35c

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Dahlia-flowered Zinnia, Golden Dawn—Enormous blooms of a pure golden yellow. Very striking. Pkt. 50c



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Dahlia-flowered Zinnia, Golden Dawn (Offer A)

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"Get Acquainted" Collection

Offer B—a $3.25 value for—$1.00

Schling's American Beauty Aster—Gigantic flowers, 7 inches across, 3 ft. stems, same color as American Beauty Rose. Pkt. 35c

Schling's New Orange Glory Calendula—Golden orange perfect form. Very double. Pkt. 25c

Schling's New Annual Double Fringed Hybrid Chrysanthemum—In a charming color range, very attractive in both garden and vase. Pkt. 15c

Schling's Semi-double Crested Cosmos—Of giant size with double rosette like center. Pkt. 25c

Schling's New Hybrid California Poppies—Lovely new shades of pink, scarlet, chrome, copper red, claret, purple, etc. Pkt. 25c

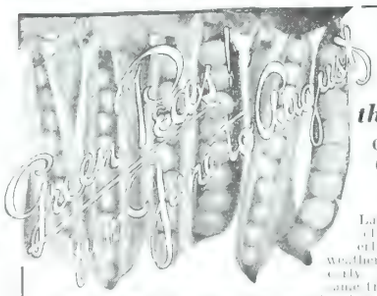
Schling's New Giant Hyacinth Flowered Larkspur—Excels all others in length of stems, size of flower spikes and general vigor. Pkt. 35c

Schling's New French Marigolds—Gloriosa—Rich velvety brown blotched on brilliant velvety scarlet. A gem. Pkt. 75c

Schling's New Erysimum, Orange Beauty—Pale orange-yellow, wallflower-like spikes. Delightfully fragrant. Pkt. 25c

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½ lb. each of all 6 varieties, 3 lbs. in all	$1.75
1 lb. each of all 6 varieties, 6 lbs. in all	2.75
2 lbs. each of all 6 varieties, 12 lbs. in all	5.00

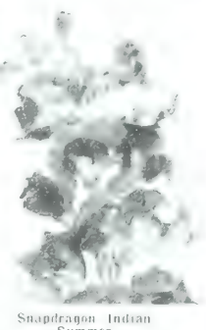
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Latest and Loveliest of Schling's New Supergiant Snapdragons

Offer C—a $12.00 value for—$9.00

Marvelous not only for [illegible] its flower spikes rival the gladiolus in height and vigor, but also in the [illegible] a rich velvety copper-red fading into [illegible] No hybridizer can [illegible] no other snapdragon remotely approaches it. A "First Prize" winner wherever exhibited. And here are the best of the royal family—

Golden West, deep golden yellow
Pathfinder, rose pink
Yosemite, lilac purple
Navajo, canary yellow
Wyoming, carmine
Seminole, rosy lilac
Narragansett, cherry [illegible]
Tenega, rich salmon yellow
Shasta, pure white
Massasoit, wallflower [illegible]
Miami, delicate rose



Snapdragon Indian Summer

1 pkt. of any of the above, $1.00; 6 pkts., $5.00

Fascinating Rarities

and Recent Novelties well worth your interest

Offer D—a $13.40 value for—$10.00

New Iceland Poppy Orange Gold—The gold tone is of the most [illegible] brightness. Pkt. 75c

Clarkia Dble. Copper Scarlet—Adding a brilliant new shade to the popular easily grown Annuals, so lovely for cutting and so effective in bed. Pkt. 60c

Gentiana Farreri—Rare Gentian from China, sky blue Perennial. Pkt. $1.00

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Sweet Wivelsfield (Dianthus Allwoodii x D. barbatus)—Has the habit of the annual Sweet William but it flowers are much larger. Pkt. 75c

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Venidium Fastuosum—Brilliant orange flower, 3 inches across to perfection in a setting of



Pansy, Mrs. Pierre S. du Pont (Offer D)



"Sweet Wivelsfield"—(Dianthus Allwoodii x D. barbatus) (Offer D)

with [illegible] black center displayed [illegible] gray woolly foliage. Award of merit R.H.S. Pkt. $1.00

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Larkspur, Los Angeles—[illegible] unfortunate overland with a brilliant and pleasing [illegible] Pkt. 50c

Two Lovely New Hardy Border Carnations—Very easy and prolific [illegible] Prot. Malmgreen, [illegible] Pkt. 75c

Othello, dark velvety [illegible]

New Giant Pansy, Mrs. Pierre S. du Pont—Rich pure golden apricot blushed with salmon without centre [illegible] Pkt. $1.00

Viola Olympica Royleana—True violet [illegible] Pkt. $1.00

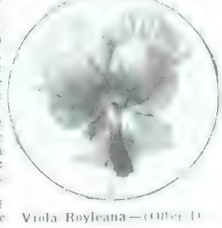
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Cephalaria Alpina—Double of canary yellow on 2 foot stems, [illegible] Pkt. 50c

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Viola Royleana—(Offer D)

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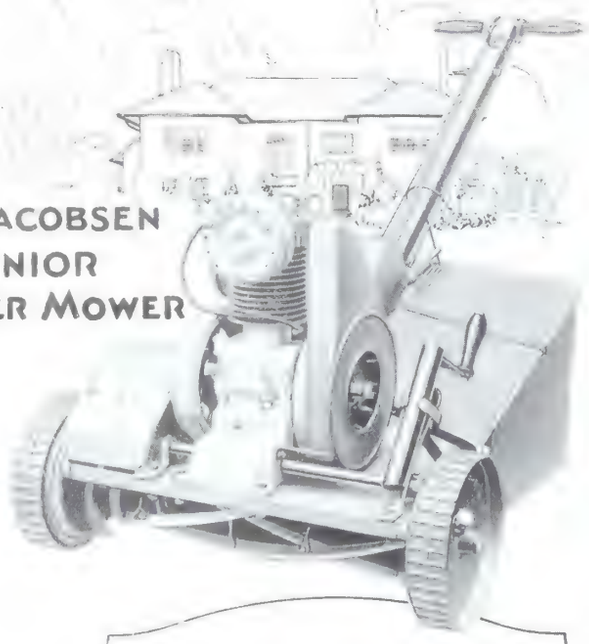
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The JACOBSEN JUNIOR POWER MOWER



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It's endowed with the well-known Jacobsen simplicity and sturdiness that have won it leadership in the past decade. It's so reliable because it's so simple—it has only four moving parts. It handles more than a half-acre mower. It mows anywhere a hand mower will go. When the reel becomes a bit dull, it is sharpened in a few minutes on the mower itself by a simple grinding attachment.



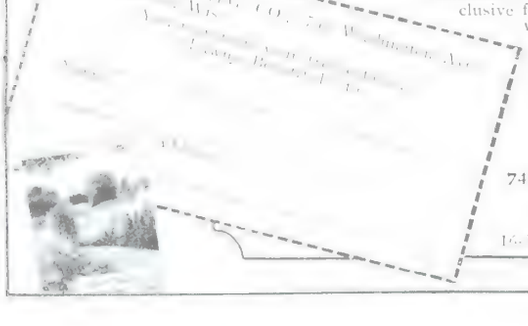
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Other Jacobsen power mowers include the "1-Acre" heavy-duty type with the rubber-tired wheels and sickle-bar attachment, also the "Estate" roller traction mower with 24 and 30-inch cutting widths, for large lawns, and the widely popular Jacobsen Putting Green mower, all of which have proved real sensations of power mower exhibits at national flower shows this year.

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16-20

Silver From The Orient

(*Continued from page 100*)

trays, caskets, boxes, mirrors, writing caskets, mortars, etc. Decoration: arabesques and interlacements with human figures, scenes of Court Life and hunting, animals, birds, fish, Persian bird-tailed monster, griffins, sphinxes, zodiacal signs, horizontal bands, medallions, Arabic inscriptions in *Nashki* and Cufic scripts. Persian work—high art quality, floral arabesques and figures. Mesopotamian—chiefly from Mosul, lavish use of engraved silver plates, sometimes on blackened ground, characteristic use of human and animal figures. Egyptian—Enamy work, 11th Century, Mamluk, 13th-16th Century; little use of figures and animals, whirled rosettes typical. Syro-Egyptian—objects similar to Persian and Mesopotamian; combined Syrian and Egyptian styles of decoration. Spanish—Moorish, North African type—hanging lamps, perfume-burners, and caskets typical; conventional arabesque ornament. Syrian—work at Damascus—called damascening, and Aleppo combined Mosul and Mamluk characteristics. Birds in a circle with heads together, floral and leaf rosettes, typical. Sicilian—work developed from Fatimy; Venetian—from Syrian and Mamluk: graceful European shapes, elaborated arabesques, silver used sparingly; *alla gemina*, 16th Century work in Persian style. Silver worked alone or with ivory and other materials, handsome engraving, *repoussé*, piercing and *niello*. See Indian and Persian.

Sassanian: See Persian.

Siamese: Work resembles Malay; caskets, small boxes, dishes, etc. 18th-19th Century—silver-gilt, *niello*, filigree. Lobed melon-shaped casket.

Singhalese: Work done on Island of Ceylon; Indian influence; many native forms. Dutch and Portuguese influence in lowlands, native work in Kandyan provinces. Ornament completely covers the article as in Indian architectural compartments, domes, arches, floral and foliage designs. Powder horns in filigree. Shell trumpets mounted in brass inlaid with silver and copper. Knife handles and sheaths, elaborately mounted.

Syrian: Fine silverware made at Antioch in early Christian era. See Saracenic.

Syro-Egyptian: See Egyptian and Saracenic.

Thibetan: Mongolian, Chinese, and Indian influences. Large pieces typically decorated with small fantastic statuettes since early times. 19th Century and modern metal-work, partially mounted in silver, especially copper vessels.

Turkish: Typically Saracenic. 19th Century—cup-holders characteristic: low bowl-shaped on low stem, filigree, pierced, and *repoussé*. See Saracenic.

House & Garden's Bookshelf

Insects and Their Control. By Andrew Wilson. Springfield, N. J.: Andrew Wilson, Inc.

HERE, beyond question, the most complete, lucid and practical book that we have seen on the perplexing problems of checking the insect hosts in their raids upon our gardens, shrubs, trees and house plants. It goes further than this by devoting a small but effective section to the control of clothes moths and other pests of the home fold.

Mr. Wilson has done well to approach the subject from the standpoint of the plant attacked rather than the insect attacking. Most of us, when we first discover that something has been chewing our Appletrees, for instance, are sure of just one thing: that the damage is being done to the Apple, not to some Maple or Elm. Very well; we simply look up Apple in Mr. Wilson's book and under that heading find listed and described all the Apple pests together with instructions for destroying them. The whole volume is planned in this way, so that it becomes an invaluable title in every well regulated home-gardening library.

The author has done well, too, in sketching the life cycle of each of the pests he covers and in illustrating many of them with excellent photographs and drawings. Not only is the interest of the book greatly increased by this, but the actual results achieved by following the directions are made more certain. If we know just why certain preventive and eradicative steps are taken, we naturally proceed with more assurance and effectiveness. In other words, knowledge of the history, habits and future plans of the bug we wish to kill is of definite help in killing him.

R. S. L.

PATIO GARDENS. By Helen Morgenthau Fox. New York: The Macmillan Company.

ALL that the magazines are publishing about home and garden making, and the many notices that it finds in even the daily newspapers naturally bring a tone of sadness to the hearts of the many who, for convenience if not because of necessity, live in the compactly built portions of cities. To them in particular the author brings comfort through her approach to the subject from "the point of view of the present-day garden maker." She shows "how to make the most of a small space, how many paths to have, how to place the few shrubs so that they will look like a luxuriant planting, and what the proportions of the accessories should be, and how many to use so as not to crowd the little enclosure." She has herself been taught by Spanish gardens, which grew out of the *patio*, and the patio is defined as a "hollow square open to the sky, surrounded by the four walls of a house." Walls afford advantages, those of shade and privacy, and give a connecting background for benches, pools, pots and shrubs. Painted walls and tiles add color to that of the flowers.

Not only our own Southwest, with conditions similar to those of Spain, can enjoy the convenience of ceramics that are not affected by disease or

(*Continued on page 120*)



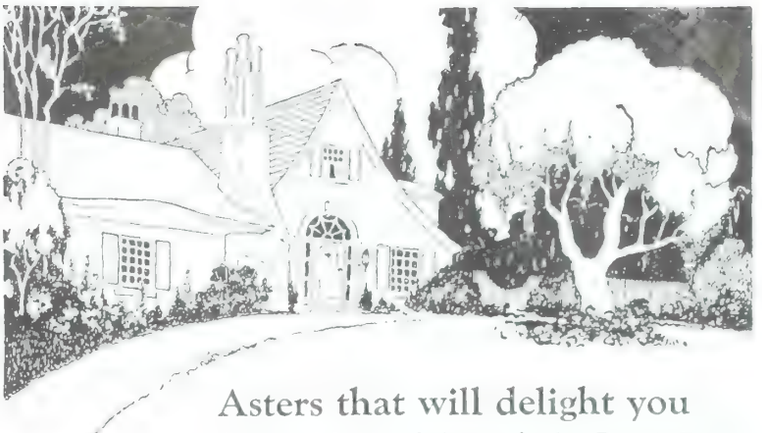
BEGINNERS in rose growing, as well as expert rosarians, will be delighted with the great collection of Roses in our nurseries. Hybrid Teas in every tint and color known to date; charming old-fashioned Teas; lusty, fragrant Hybrid Perpetuals; dozens of dainty Polyanthas; an amazing array of Climbing Roses; intriguing groups of Chinas, Sweetbriers, Cabbage, Moss Roses, Species, and others. The plants are splendid, field-grown, low-budded, matured in a long, dry autumn. They are ready to break into eager growth, and burst into abundant bloom in your garden.

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describes our complete assortment of Asters, including those in above special offer. It is the most comprehensive book on flowers and vegetables published and contains valuable cultural advice and list of fertilizers and tools required for successful gardening.

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For its lovely fragrance the Garland Flower surely deserves a choice place in your plantings. Price for bushy flowering plants about 7 to 9 inches in diameter, each 75 cents; per 3, $2, per 12, $8. Complete cultural instruction will be sent with each order!

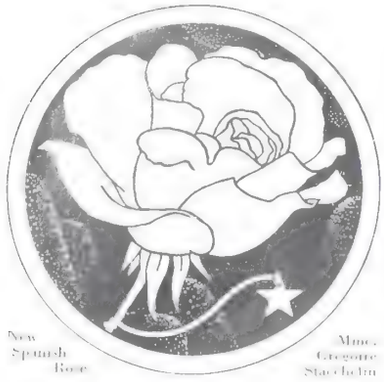
In the first place, you will find in no other, an equal number of kinds and varieties. In the second place, it's the first time any rock and hardy plant catalog has ever contained full cultural directions for each kind of plant. And when we say full, we mean just that. It tells you in a friendly, helpful way, exactly what to do to get the results you are seeking.

Furthermore, in it you will find a wealth of illustrations and an unmatchable inclusion of the best that's procurable in rock and hardy plants. Plants that are of highest quality, as no other do we sell. If you are seeking information and such quality plants, then send for this help filled catalog.

Wayside Gardens

MENTOR, OHIO

Box E 1501 Office



New Spanish Rose — Mme. Gregoire Staechelin

STAR ROSE novelties . . . and old favorites! . . .

You will enjoy reading about new . . . colorful . . . different . . . distinctive "Star Rose" novelties. All are admirably suited for planting in your garden: we know because we have field-tested them for two years. You will want these delightful guaranteed novelties—all of them "Stars":

★ Syracuse—HT—Crimson
★ National Flower Guild—HT—Scarlet-crimson
★ Director Rabie—HT—Cochineal-pink
★ Mrs. G. A. Van Rossem—Orange bedding rose
★ Ami Quinaud—HT—Crimson-maroon bedding rose
★ Mrs. Pierre S. du Pont—HT—Golden yellow
★ Kardinal Piffl—Orange pink
★ Joyous Cavalier—HT—Crimson scarlet
★ NuntiusPacelli—HT—Snow-whitebeddingrose
★ Mme. Gregoire Staechelin—"the queen of all hardy climbers". Immense buds, maroon-carmine; open flower opalescent pearl.

Each spring we feel that our patrons should be told of the latest rose novelties, as well as reminded of our complete selection of guaranteed roses—the best roses for America. This year is no exception—and so we have gone to the utmost limits in getting together our 1931 "Star Guide to Good Roses". It makes the selection of your "Star Roses" easier. It gives you a complete description of each of our novelty "Stars". It makes rose selecting so easy that we urge you to send for the "Guide". The coupon below is a convenient form of request. Send it!

Avoid experimenting!

Avoid all unnecessary "chancing" with roses! Plant genuine trade-marked and guaranteed-to-bloom "Star Roses" and avoid all risk. They have been tested *outdoors* in our proving gardens for two years. Send for the "Guide".

THE CONARD-PYLE CO.
Robert Pyle, *Pres.*
Rose specialists for 34 years
West Grove 321, Pa.

THE CONARD-PYLE CO.
West Grove 321, Pa.

Please Send the 1931 "Star Guide to Good Roses" at once.

Name .....

Address .....

STAR ROSES
GUARANTEED TO BLOOM

House & Garden's Bookshelf

(Continued from page 118)

thought—unlike the flower show and which is a permanent embellishment to the garden. The charms of flowing water also can be had in a pent-up city garden. For the construction of pools and rills the author gives rules based upon what the people of old Spain worked out, but adapted to modern America, as is the case with the other accessories and with the plants also. These are treated, in addition to colors which can be enjoyed so intensely in such confined garden areas, the subject of fragrance. It is shown that not only by the use of patio-ey plants be added, but by the use of bed-es and balconies also, these in general ought to be more generally taken advantage of.

For the average gardener the most valuable part of the book is that which deals with the three ways of planting flowers in beds of a small garden, the Arabic mode of massing and colors, shapes and varieties in the way that gives most fun to those who do all their own gardening, the French manner of planting formal rows of plants, carefully graduated in size and height that is typical of Versailles, with each shape a bit higher than the last, and the English way—a combination of the Arabic and French, with flowers mixed in height and color, but with accents repeated throughout.

F. B. M.

THE CACTUS BOOK. By A. D. Houghton. New York: The Macmillan Company.

HERE at last is the book for which hundreds of amateur plants-people have been wishing—and for which thousands more will soon be visiting the booksellers if they recognize a good thing when it is offered to them. For Dr. Houghton (who is the President of the Cactus and Succulent Society of America, by-the-way) has produced a fascinating volume which for directness, clarity and vividness is in a class entirely by itself. We defy anyone at all possessed of a hankering for plants to remain wholly untouched by the peculiarly stimulating quality with which the author has invested his pages.

Yes, an absolutely fascinating book and one which is certainly both useful and practical. It tells in detail how to grow Cacti from seed, how to hybridize them, how to propagate by cuttings and grafts. It deals succinctly with the matters of watering and care and exposure—a lot of things which our catalogs. Enough is told of the 1,500 known species and 3,000 hybrids to open the gate into what is, for practically all of us, a new and immensely alluring field. The sections on Cacti for outdoor rock gardens in the North—well as South—these in particular offer fresh opportunities, as do those in which these odd and highly varied plants are considered in the light of their value as colorful in little landscapes and bowls. Pertinent advice on buying, cataloging and a workable Cactus vocabulary lead up to what is perhaps the most notable single feature of the book: an extensive tabulated list of the notable kinds with their countries of origin, colors, degrees of hardiness, habits, exposure, soil and moisture requirements, and the colors of their respective flowers.

Don't miss *The Cactus Book*. If you are already a Cactus fan, it will make you a still more rabid one; if you're not, prepare to be converted. In any case, read it for the human, sincere, informative charm which characterizes it from one cover to the other.

R. S. L.

THE BOOK OF BULBS. By F. F. Rockwell. New York: The Macmillan Company.

IF the author had only the pen of a ready writer—and that he has—with his extraordinary versatility in the fields of the growing and the handling of plants for all purposes, he would certainly have run amuck among the bulbs. But in this little book he has apparently all of them, and they are not those most gardens, even professional gardens, have any idea of, he has not only found them but has also become familiar with them. Yet he will not concern with bulbs proper, he has put into the volume of less than three hundred (not large) pages all kinds of Irises, along with the bulbous ones, and Peonies and Dahlias. With the latter two subjects he succeeds fairly well, it might be said, in view of his limitations of space. Fortunately he pays attention to the roots and rhizomes for Peonies and Irises in general not availed of by many gardeners these days. But his treatment of Iris is particularly sketchy, and yields only a very faint idea of what treasures have been acquired among the tall, bearded varieties. Refreshing indeed it is, however, to find clear and actually practical points to observe in planting and managing bulbs, with most gratifying emphasis upon the need of providing bulbs with proper soil for them to send their roots into.

Another great merit is his prudent advice about the possibility of using bulbs successfully for all seasons of the year, as possessing more advantages than any other class of flowering plants. There is proper emphasis upon the need of allowing the sap to return from the foliage into the bulbs before they are harvested, but he seems to go too far in advocating that practically all of the Tulip bulbs should be taken up annually, for the now so popular Breeder, Cottage and Darwin Tulips generally do very well a second and often a third year without being replanted. There is suitable appreciation of the rising popularity of Daffodils and of the many minor bulbs, most of which precede even the Daffodils as "bright heralds of Spring's entrance into the garden." And in the part devoted to the bulbous and spring-flowering bulbs, the book is again particularly serviceable,—as it is most satisfying in telling, in a clear and eminently sensible manner, how to obtain bloom from bulbs in winter. How best to manage bulbs for cut flower purposes, how to propagate them and how to cure the few diseases that they are occasionally afflicted with, are other topics that round up the wide range of this commendable little book.

F. B. M.



Burpee's Seeds Grow

free Garden Book

The Vegetables and Flowers you would like to see growing in your garden—read all about them in Burpee's Annual Garden Book. It describes the Burpee Quality Seeds, Bulbs, and Plants. An interesting book, full of pictures and garden news. Many leading varieties are illustrated in natural colors. Burpee's Annual will help you to grow more beautiful flowers and improved vegetables. It is the catalog that tells the plain truth about the Best Seeds That Grow.

New Vegetables and Flowers

New Giant Tomato "Tangerine"—bright orange with golden orange flesh—is distinct in flavor as in appearance. Read about "The Burpee", the loveliest Sweet Pea ever introduced, also about "Ruffled Orchid", the newest of the Ruffled Sweet Peas. New Giant Dahlia "Asbury Park"—strawberry-red, shaded orange and old gold . . . and others.

Lower Prices

The prices in Burpee's Annual have been greatly reduced. You can now buy Burpee Quality Seeds as low as 5¢ per packet. Burpee's Seeds are guaranteed to grow and give satisfaction.

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OR LUXURIOUS SHADE

Plant the Beautiful—Hardy—Fast Growing

CHINESE ELM

(North China Strain)



Plant this Spring and enjoy abundant shade in a few short years.

The tree shown is growing at Sodus Point, New York, on Lake Ontario. When planted three years ago it was a little whip 5 feet tall. Last August it measured 17 feet high, with a branch spread of 17 feet and a 4 inch trunk.

The Chinese Elm is the fastest growing tree we know. It thrives anywhere, in any kind of climate, from Arizona to Saskatchewan. One of the first trees to leaf out in Spring and the last to shed in Fall. A tree of rare beauty and symmetry, resisting drought and cold, and flourishing in poor soil. It is ideal for planting on new developments, sub-divisions, streets, in parks, for windbreaks, screens and as individual lawn shade trees.

CAUTION! [illegible] China Strain, endorsed by the U. S. Department of Agriculture. Cheap Chinese Elms [illegible] fast growing Lacebark Elm, and results [illegible] disappointing. We grow only the hardy [illegible] China Elm.

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Our new Catalogue, beautifully illustrated in full color, describes the Chinese Elm, and a complete line of Evergreens, Shrubs, Perennials, Trees and Plants of every variety for large and small planting, all grown under rigorous climatic conditions at Rochester, N.Y.

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Allen Brothers, Inc.

GLENWOOD NURSERY

Established 1866

53 Main Street, Rochester, N. Y.

"We furnish the home—outdoors"

The Easy Way to Beautiful Plantings



"THE Easy Way to Beautiful Plantings"—a remarkable 40-page book—shows how simple it is to give any home a handsome setting. Simple illustrations, like those above, help you to select and arrange foundation plantings, corner groups, borders, hedges and screens; to plan a rose garden, a rock garden, a trellis—to embellish any part of your grounds with rich and graceful plantings.

This 1931 book marks the 41st anniversary of Barnes Bros. Nursery, with whom *quality* and *integrity* are a tradition. Send for it *now*. Soon the time will be here for making your selections. Nowhere else will you find such authoritative guidance presented in such a simple, helpful way. It's *free*—see note under picture.

THE BARNES BROS. NURSERY COMPANY
Box 21, Yalesville, Connecticut



The Original
BARNES BROS. NURSERY
Established 1890

"The Easy Way to Beautiful Plantings" is free to residents of New England, N. Y., N. J., Pa., Del., and Md. Elsewhere 25c.

NEW, SILKY-SMOOTH POWER to give you LAWNS THAT RIVAL ENGLAND'S



A great—even—flow of power drives the new Ideal Mowers. Swifter cutting — smoother lawns. Greater power gives new handling ease on corners and steep grades. Timken bearing crankshaft. Fool-proof lubrication. Motor does not overheat.

World's most complete line. New wheel type, 20 and 25-inch cut. New roller type, 22 and 30-inch cut. Only consistent rolling gives the finest lawns. Illustrated brochure in colors shows the way to new lawn beauty.



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TRIPLEX the GREEDY
The work-greedy Triplex can cut 35 acres per day. Backs up — turns around in its own length—cuts right up to walls —dodges shrubbery.

THE NEW **IDEALS** 5 SIZES

Evergreens, Trees and Shrubs that are "Out of the Ordinary"

Produced by a Plant Specialist and Reasonably Priced

Pride in home surroundings and increase in property values go hand in hand when good plant material is used. Our Evergreens and Shrubs are of the extra good grade—the kinds that give you a high per cent of satisfaction. With beautiful top growths and sturdy root systems, well packed with a big ball of earth and carefully shipped, you can depend on the Bagatelle Nursery to deliver just *what* you specify and *when*.

BAGATELLE NURSERY

Our brand new catalog is liberally illustrated with photos like the one below. It abounds with suggestions for foundation plantings; for groupings; for driveways; for wind breaks; for landscaping; for borders; etc. It is sent gratis. Spring is "just around the corner", so write today for your copy. Address the

BAGATELLE NURSERY Half Hollow Hills
Box 37, Huntington, Long Island, N. Y.



The Garden Scrap Book

BRUSH BURNING. Winter and snow-covered ground make ideal conditions for setting fire to that brush pile which you were afraid to light last fall because of the predominant drought conditions. There need be no fear of the blaze getting out of control now—the woods couldn't be set afire if you wanted to.

If the pile is wet, don't be discouraged. A bunch of old newspapers pushed under it and a quart of kerosene sprinkled around on top will create conditions which a single match can transform into a regular Election Night bonfire.

APRICOTS. For some strange reason, relatively few people grow Apricots, though they may have plenty of Apples, Cherries, Plums and maybe Peaches. Yet the Apricot, properly ripened, is a delicious fruit and is not at all common in the average fruit stores.

Apricots are no more difficult to grow than Peaches, and can be planted wherever the latter are practical. Only two or three varieties are generally available—Moorpark, Harris and Bud. They are abundantly worth while and to those who have not tried them we can think of no better an investment than a few trees set out early this spring.

LOOK AT THE MULCH. If a period of snowless, bare ground comes along, better look at all the winter mulches to make sure they are staying in place. Strong winter winds have a way of blowing away leaves and other light mulching materials if you don't watch out. And since this month and next will be the time when proper protection of the plantings is most needed, a thorough check-up and replacement of any disturbed coverings become especially important.

RABBITS KEEP OUT. For such a gentle, innocent looking little beast, the cottontail rabbit is provocative of more damage and profanity among garden people than any other four-footed creature, unless it be the mole. In the winter especially he evinces an inordinate fondness for young fruit tree bark, and in a single night can do a job of girdling and pruning which very often means the death of the tree.

There is just one sure means of guarding against this damage, so far as we know: a protecting circle of wire netting around each tree. Let it be of 1" mesh and at least 2' high (3' is better, in regions of deep snow). For really young trees with branches close to the ground, the diameter of the guard should be great enough to enclose all the twigs, as these tender growths are especially appealing to bunnies. Where it is merely a case of protecting the trunk bark, the wire does not need to stand more than an inch or so away from the wood.

SEEDS IN WINTER. At this time of year, when a snowstorm starts, it is well to remove the ash from the



DWARF APPLE TREES
DWARF PEAR TREES
DWARF PLUM TREES
DWARF CHERRY TREES
DWARF PEACH TREES

Send for free catalog today

Catalog describing these Dwarfs, Roses, Shrubs and Ornamentals free for the asking.

Van Dusen Nurseries
Box H Geneva, N. Y.

WILL'S 6 PIECE HARDY SHRUB COLLECTION $1.50 free catalog Northern grown seed

FOR a permanent foundation planting here's a beautiful assortment of Will's northern-grown shrubs at the special price of $1.50. One each of the following, varied in size at maturity: Tartarian Honeysuckle; Yellow Flowering Currant; Van Houtte Spirea; Sand Cherry; (Small shrubs) Froebel Spirea; Billardi Spirea.

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$1.55 GARDEN COLLECTION $1.00

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WILL'S SEEDS GROW QUICK

HENDERSON'S SPECIAL OFFER

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"Everything For the Garden"

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Easy to Have BEAUTIFUL GROUNDS

NEOSHO NURSERIES CO.
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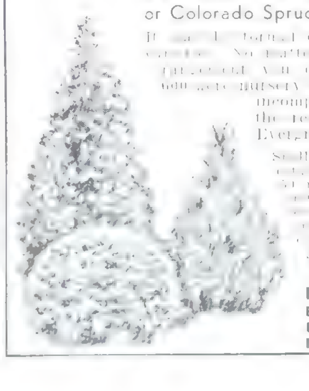
Carefully Matched DAHLIAS and GLADIOLUS

EVERY selection ... fully color-checked. ... are extremely accurate.

Carl Salbach
Originator and Grower of Outstanding Varieties
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HILL'S EVERGREENS

PICTURE in your mind the beauty that comes to your home when Hill's Evergreens are a part of the planting scheme. The stately Juniper vies for attention with the graceful Arborvitae; the dwarf-like Mugho Pine adds a color tone in low relief; while the Japanese Yew, the Red Cedar or Colorado Spruce lend the charm of variety.





D. HILL NURSERY CO.
EVERGREEN SPECIALISTS
Largest Growers in America
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20 EVERGREENS FREE

SEND 25c

TREES—SHRUBS
FRUITS—FLOWERS

CATALOG FREE

Ferris' PLANTING GUIDE

8 APPLE TREES $1.98

25¢

EARL FERRIS NURSERY
Bridge St.
Hampton, Iowa



Originated and patent applied for by Three Springs Fisheries, Frederick, Maryland

THIS new Waterlily is a lovely shade of soft pink, unlike any other variety. The flowers are large, full double, and the plants bloom with more than usual freedom. Visitors and experts are enthusiastic in its praise. You will be delighted with this new Waterlily when you see it in flower in your own pool. Pictured in *natural color* and fully described in our

1931 Catalogue of Waterlilies and Fancy Fish

which presents many other popular white, pink, red and yellow Waterlilies, aquatic plants and fancy Fish. We shall be pleased to mail a copy on request.

THREE SPRINGS FISHERIES
N. Court St., Frederick, Md.

Grow GLADS

Make your garden the envy of your friends with Gove's Sturdy Vermont Gladioli. Best of garden cut flower. Very easy to grow. Our special "Get acquainted" offer will make you an enthusiastic "Glad Lad." Bulbs guaranteed to bloom first year.

100 LARGE STURDY VERMONT BULBS $3

This collection includes at least 10 fine varieties, in many shades of Red, Yellow, Pink, Blue, Orange, Smoke, White, all good ones, but not labeled as to name. 50 for $1.75. ALL SENT PREPAID, with complete instructions for growing prize-winners. I believe it is the finest "Glad" collection offered anywhere.

In my illustrated catalog "That is different," and over 300 of the world's best varieties.

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ELMER E. GOVE (Box E-2)
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Bargains: Trees Plants
Best Quality

PREPAID

Finest Varieties	*Vigorous Stock*
25 **Gladioli,** bloom'g size mix. colors	25c
3 **Hardy Sweet Peas,** 3 colors	25c
2 **Snowball Hydrangea,** 2 yr. old	25c
1 **Evergreen Bittersweet,** 3 yr.	25c
2 **Oriental Poppies,** scarlet	25c
2 **Scotch Pines,** 6 to 12 inches	25c
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6 **Rock Plants,** 6 best kinds	50c
3 **New Chinese Elm,** 18 in. to 2 ft.	50c
5 **Norway Spruce,** 4 yr 10 in.	$1.00
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Satisfaction guaranteed. Order today. Will ship when wanted **We pay postage.**

Big FREE Catalog shows hundreds of bargains in trees, shrubs, plants, evergreens, vines, roses, hedges, etc. Many new varieties. Write for it today.

SPRING HILL NURSERIES
Dept. 107 Tippecanoe City, Ohio

The Garden Scrap Book

frames where alpine or other perennial seeds were sown last fall, and allow the flakes to bury the planted area. When the storm is over the sashes are replaced and left with one end raised an inch or so for ventilation.

The principle back of this proceeding is simple enough. What it amounts to is merely the creation of idealized natural conditions—cold, a blanket of snow, and freedom from destructive washouts if a thaw comes or a heavy rain arrives to bring havoc to unprotected things. The results are a high percentage of seed germination in the early spring, and a stand of healthy, robust young plants that should make excellent growth throughout the season.

PLANT SUPPORTS. Adequate stakes or other means of support for those kinds of plants which require it are essentials in every well managed garden, and there is no point in trying to get along with poor ones. The initial extra cost of good supports is more than offset by their durability, the ease of managing them and the improvement they make in the appearance of the garden.

Two types of wide and thoroughly practical application are available in all the better supply stores. The first consists of a heavy hardwood stake on which a stout wire loop or ring is so attached that it can easily be fixed in a horizontal position at any desired height. The stakes range from three to six feet in height, and are intended for such relatively tall plants as Delphinium, Foxglove, Hollyhock, etc.

For more bushy, spreading plants, the second device, known as a Pea or Tomato support, is excellent. This consists of two or more heavy wire stakes, depending upon the space to be covered by the support, each of which is bent and curved at the top so that, when fitted together, they form a ring entirely enclosing the plant.

In both of these types the supports give the necessary protection against flopping over and breakage, while still allowing the plants to make normal, graceful growth.

GROW YOUR OWN. If we had our way about it, every garden in the land would have at least a small area devoted to vegetables. Without decrying the merits of planting for esthetic pleasure alone, we insist upon the right of gastronomic as well as visual enjoyment to a place on the horticultural menu. And not even the most determined of ornamental champions can deny that there are certain vegetables which, from the epicurean standpoint, can be grown far better than they can be bought.

Asparagus, for instance, and Corn and Lima Beans and Peas and wee young Beets. How often can you buy these so fresh that they're in the pot within an hour after leaving the ground? Well, how often can you find a dodo when you go looking for one?

(Continued on page 125)

4 *New Chrysanthemums*
That Bloom in Early Autumn

With gold, pink, bronze and white these extra early flowering Chrysanthemums brighten the garden with a great display of color before frosts come. The wonderful colors, and the early bloom, give them distinct value for cutting as well as garden use.

R. Marion Hatton. Deep apricot Pompon type. Brilliant canary yellow. Cattle tasty flowers from late September.

Frances Whittlesey. Rich bronze and garnet flowers are at their best in early October.

October Dawn. Soft daybreak pink. Especially appealing to those who like delicate colors.

Jean Cumming. A truly beautiful pure white, large and an early bloomer.

These new Chrysanthemums will be pictured in color in our catalogue for 1931, which also presents other favorite Chrysanthemums introduced by Bristol, and many new perennials of merit. A copy will be mailed on request—we suggest that you write us today.

BRISTOL NURSERIES, Box 8, Bristol, Conn.

A New Pink Larkspur

A beautiful, true bright, clear pink annual Larkspur which blooms in August and September from seed sown out of doors in the spring.

The long spikes of double pink flowers bloom at the time the garden most needs color. It is the most beautiful and valuable late flowering pink annual we know and is ideal for cut flowers.

Special Offer—For 25c in stamps we will send a large packet of Los Angeles Pink Larkspur. And also

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In this Free Book even advanced amateurs will find valuable hints on Garden planning and the control of garden pests.

We are large growers of Vegetable and Flower Seeds, Bulbs and Plants. Our 108-page Catalog in color gives you just the information you want about each variety and offers the opportunity of buying Harris northern grown seeds direct from our farms at growers' prices. *Ask for the Catalog today. It is Free.*

JOSEPH HARRIS COMPANY, INC.
R. F. D. 16 Coldwater, N. Y.



Here is *your* copy *Free*



The
Storrs & Harrison Co's. 1931 Spring Catalog

Trees · Plants · Shrubs · Vines · Seeds · Etc.

JUST off the press—the beautiful new catalog of America's Oldest and Largest Departmental Nursery. More illustrations in color than ever before—more new charts and diagrams to help you beautify your grounds—and the most complete listing of trees, shrubs, plants, seeds, etc., including uncommon varieties not usually found in the average Nursery catalog.

You'll find chapters giving easy-to-follow instructions on how to plan and plant a modern Outdoor Living Room and Rock Garden. You need this helpful catalog. Send for it now.

Mail this Coupon

The STORRS & HARRISON CO.
Box 219. Painesville, Ohio.

Gentlemen: Please send me FREE, a copy of 1931 Spring Catalog.

Name .....

Address .....

Insect Pests
Of Every Kind
Are Quickly Destroyed by Wilson's O. K. Plant Spray. Protect your flowers, plants, shrubs and evergreens by spraying frequently and thoroughly.



Wilson's O. K. Plant Spray is used by thousands of successful gardeners and should be used by you. Insects Must Not Live on Your Plants.

Wilson's Awinc
(Pyrethrum Spray)

Non poisonous, highly concentrated PYRETHRUM spray. Easily controls more resistant type of insect such as Japanese Beetle, Red Spider, Rose Chafer, Cabbage Worm, White Fly, etc. *Complete*, requiring only a dilution with water.

Then there is Wilson's SCALE-O . . . the powerful *dormant* spray so necessary to the successful growth of fruit and other trees. Scale-O kills Scale insects and eggs even in Winter. Mixes readily in cold water . . . covers very rapidly and evenly. 1 Gallon $2.00, 5 Gallons $9.00.

Andrew Wilson INC.
Dept. H-2
SPRINGFIELD, NEW JERSEY

Trade Literature Reviews

Each month there will be briefly reviewed on this page a number of the new brochures, pamphlets and catalogs which have been issued by House & Garden's advertisers. Address concerns direct for this literature, or simply check the list below for the material in which you are interested . . . write your name and address in the lower margin . . . tear out this page . . . mail it to House & Garden's Reader Service Bureau, Graybar Bldg., New York City, and we will have these booklets sent to you. Where payment is mentioned, please enclose your remittance in stamps.

Building Materials

Bathroom Fixtures & Plumbing

Hardware

Heating, Ventilating & Accessories

House Building Materials

House Building Materials (Cont.)

Incinerators

Portable Houses

Roofing & Shingles

Windows, Doors, Screens

Gardening

Fences

Seeds, Bulbs and Nursery Stock

House Furnishings

Clocks

China and Glass

Drapery & Upholstery Fabrics

Floor Coverings

Floor Wax

Furniture

Household Textiles

Kitchen Equipment

Window Blinds

The Garden Scrap Book

Decidedly these and other vegetables of delicate flavor and tenderness belong in the home garden if you would get their true perfection. Maybe you don't want to bother with Cabbages and Potatoes and Turnips, but don't, if you love your table at all, pass up the [illegible].

As a matter of fact, the grow-your-own argument might well be extended into the field of small fruits. There are several splendid varieties of Strawberries, Blackberries and Raspberries which are too soft and luscious to stand shipping, and consequently seldom appear in the markets. To deprive your table of them, provided you have the necessary space in which to grow the plants, is to deprive yourself of a very real treat. And, as has been said before in these pages, they're not too much trouble for any real gardener.

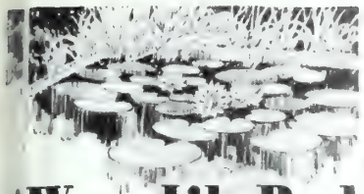
FORCING BULBS. When Hyacinths, Tulips and other bulbs, forced for winter bloom indoors, open their flowers while the stalks are still very short the trouble is usually traceable to the way they have been handled. As a rule, they have been given too great and sudden heat before top growth has made normal development. Sometimes the bulbs have not been given time to make sufficient root growth before being brought into the warmth and light.

Slow forcing is best for practically all kinds of bulbs. The temperature should range between 50° and 60° until the leaves are two or three inches long. By that time the pots should be ready for more warmth and light. When the bud appears it should be covered with an inverted cone of heavy paper, the small end of which has been cut off to leave an opening about an inch in diameter. This is valuable in inducing long stems and checking the development of the flowers until height has been attained.

STEEL CURBING. The question of suitable curbing materials to mark the edges of garden walks, driveways and other areas where a line of sharp demarkation is desired often proves a very bothersome one indeed. Without going to too great lengths of elaborateness or artificial appearance it has been difficult to devise something practical and long-lasting. Wood strips, brick, concrete and the other materials usually employed have their disadvantages in many situations.

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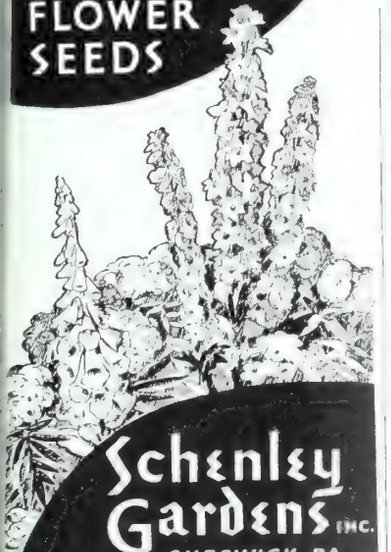
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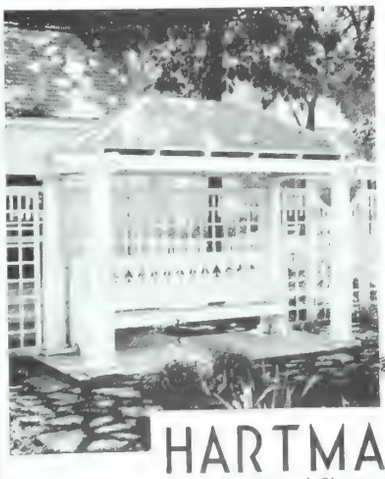
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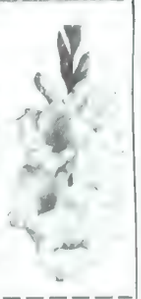
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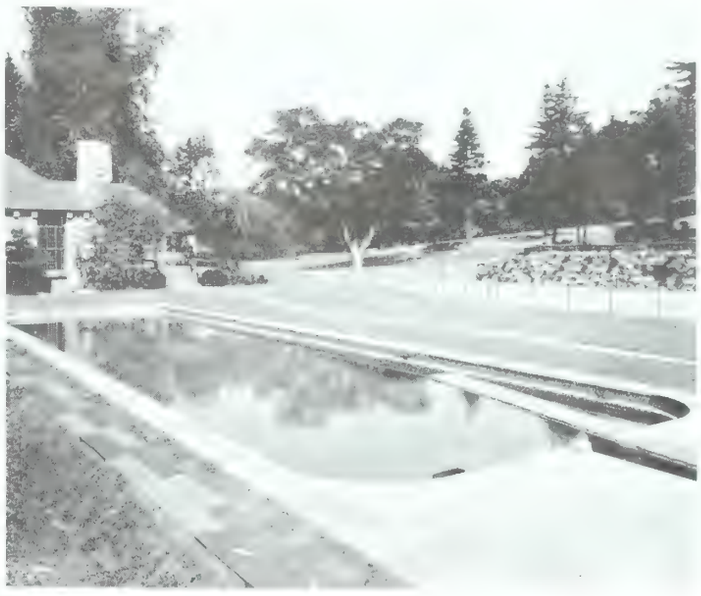
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Vol. No. 59, No.

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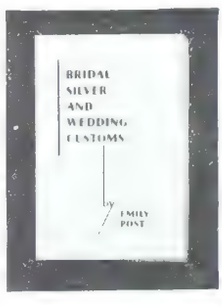
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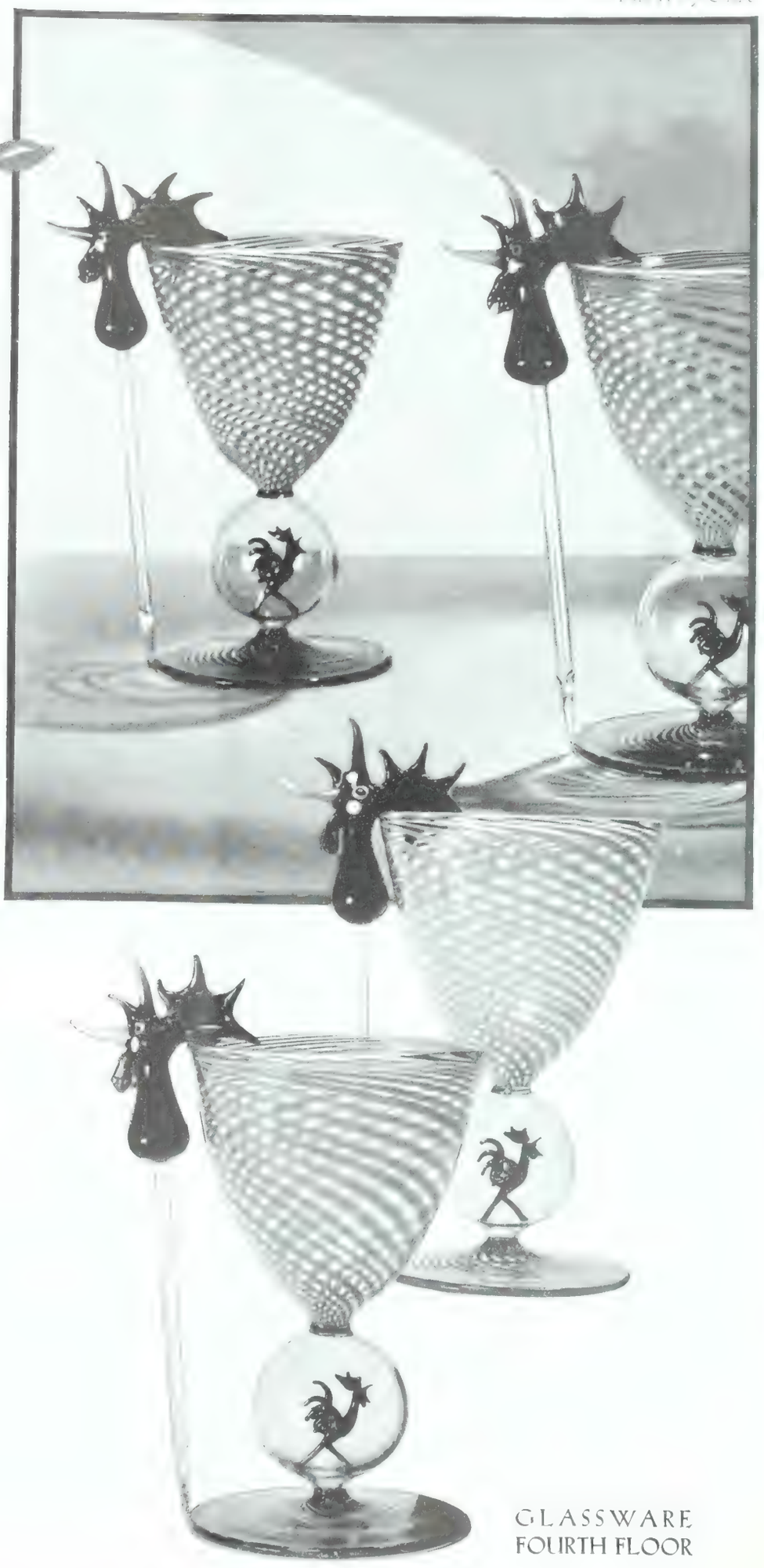
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Your own good taste will say it, too, the minute you see these new designs. You'll instantly visualize them in *your* home—bringing character to a difficult corner, lifting a whole room out of the ordinary.

Plan to see them soon . . . sit in them . . . note how cleverly they are shaped . . . so comfortable that you just can't help settling back on the deep cushions.

And exquisitely upholstered, of course, in the very newest fabrics. In fact, each smart pattern was specially chosen for design and color harmony by Isabel M. Crocé, well-known expert on upholstery.

All the better stores are showing this new Heywood-Wakefield furniture. Take a minute tomorrow and see it for yourself.

HEYWOOD-WAKEFIELD

EXECUTIVE OFFICES, BOSTON, MASS.

Makers of Fine Furniture





A DELIGHTFULLY PRACTICAL combination. This table may be used for a desk. The cane back of the chair is stained to match the warm brown wood.

CAN'T YOU JUST SEE this chair with its smart upholstery in a corner of your living room? Another design offered in Rohde Contemporary Furniture.



The dignity of the FAMILY CREST and the beauty of fine CHINA and GLASS

—combine to give one's dinner service a gracious and distinguished air. The use of the crest, or the monogram, has become of great importance among families who prefer a certain individuality in their possessions. Macy's offers entire services, or any pieces one selects, in a variety of handsome patterns on which crests would be appropriate. All work, of course, is done to order.

WE have chosen four service plates and four glasses, to give you an idea of the variety of our collection.

THE PLATES

Top	$198.00 dozen
Center	59.75 dozen
Lower left . . .	297.00 dozen
Lower right . .	198.00 dozen

THE GLASSES

Upper left . .	74.50 dozen
Upper right . .	74.50 dozen
Lower left . .	99.75 dozen
Lower right .	99.75 dozen

BASEMENT

MACY'S

34th Street and Broadway, New York





THE ORIGIN OF BIEDERMEIER • Throughout the dreary dawn of the 1800s, Germany was almost continuously warring—over-run by Napoleonic troopers. Then came the respite of peace, the growth and prosperity of a large middle class—the German Bürgerschaft who were hardworking, thrifty, economical, conservative . . . fond of comfort, yet suspicious of elegance.

Either too poor or too prejudiced to follow the current and beautiful Empire furniture . . . they took these graceful forms from France and added a litt here, subtracted a little there. With the result—a fu niture known as Biedermeier—perfectly reflective of th state of mind of the times. Biedermeier is almost pu Empire in form—yet with a naive colorful grace adde It is marked by simplicity, cleanness of line and colo

And all decorators have di covered it to be marvellously com patible with our modern Dyna mique furniture. See our co lection in the Biedermeier manne



JOHNSON FURNITURE CO.
JOHNSON-HANDLEY-JOHNSON CO. • GRAND RAPIDS, MICH.

CREATORS OF FINE PERIOI
AND MODERN FURNITUR

KENSINGTON FURNITURE

AWARDED GOLD MEDAL OF HONOR IN NATIVE INDUSTRIAL ART
39TH ANNUAL EXHIBITION ARCHITECTURAL LEAGUE OF NEW YORK



CHIPPENDALE CARVED MAHOGANY BEDROOM GROUP, *by* KENSINGTON

The Character and Scope of Kensington Bedroom Furniture

KENSINGTON bedroom furniture, while retaining the character and the charm of old work, is designed for the home of today. It is as convenient and adequate in service as it is decorative.

Whether the need is for a bedroom with the quiet elegance of a Georgian mansion, or the simple charm of an English cottage or Colonial farmhouse, a wide choice of distinctive and beautiful furniture is found in Kensington designs.

All Kensington Furniture is made and finished by hand throughout in the best possible manner, and is a permanent investment in beauty and utility.

Examples of all of our work may be seen at our Showrooms, arranged so as to give an accurate impression of how the furniture will look in the purchaser's home.

The purchase of Kensington Furniture may be arranged through your decorator or furniture dealer

KENSINGTON MFG COMPANY
MANUFACTURERS
DECORATIVE FURNITURE
NEW YORK

Write for illustrated Booklet and pamphlet, "How Kensington Furniture May Be Purchased"

SHOWROOMS, 41 WEST 47TH STREET, SIXTH FLOOR

GRAND CENTRAL PALACE • NEW YORK CIT

The Third

International Antiques Exposition

February 27 to March 7 193

Opens Friday evening, February 27th at 8 o'clock
Every succeeding day from 10 A. M. until 10:30 P. M
Closes Saturday night, March 7th, at 10 30 P. M

Will far surpass its predecessors in magnitude and in the variety, excellence and elaboration of its displays

Timed to synchronize with the rising tide of American prosperity, the Third International Antiques Exposition is assured of an exceptionally large attendance on the part of the buying public eagerly returning to the market for antiques and the fine arts. It will present the finest collection of authentic antiques ever assembled—an array of hundreds of magnificent, historical, romantic objets d'art.

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CHARAK



Charak dining room suite, consisting of American Hepplewhite three-part table, shield back chairs, and buffet, with Chippendale china cabinet.



Charak American Chippendale block-front secretary-bookcase in mahogany. This is of the best Colonial type, period about 1770.

CHARAK FURNITURE represents a sincere effort to produce, through the medium of real craftsmanship, Early American designs that shall be in every respect worthy of the originals. Every piece of Charak Furniture is custom-made by craftsmen chosen for their experience, skill, and devotion to their work. The finest selected mahogany and maple are used exclusively on surfaces everywhere—solid mahogany or solid maple where advisable. Mahogany is used exclusively for drawer interiors. Every piece of furniture is dull hand-rubbed, resulting in the finest finish obtainable. You will find much to interest you in a call at any of our showrooms but, if that is not convenient, we suggest that you write for a copy of "The Charak Primer." It will be sent without charge.

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Faithful Reproductions of Colonial and Early American Furniture in Mahogany and Maple

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SLOAN ROCK CRYSTAL

TO HARMONIZE WIT

YOUR DINING-ROOM

Past masters in the art of gracious living, are thes charming people who live and entertain in harmon ous rooms. The appointments of the dining table particularly, must harmonize with the rest of th room, as surely as jewelry with the costume. Peasan glassware, for instance, is a white elephant in a classi dining-room of 18th Century inspiration.

Now that the more feminine, gracious periods of deco ration are dominant, rock crystal with its gem-like quality is very much in vogue. The designers of Sloan Rock Crystal have created patterns suitable for all types of rooms in current favor . . . 18th Century English, American, French; Directoire; Victorian; and Contemporary.

You will prefer Sloan Crystal for its sparkle, the exquisite cutting of the numerous designs and the well-proportioned shapes of the goblets, tumblers, all types of beverage glasses, cocktail and liqueur glasses, sherbet glasses, finger bowls and plates.

SLOAN

ROCK CRYSTAL WARE

RINGS LIKE A BELL

LONACONING MARYLAND

The Mellow Colors of CELANESE *Express the* Delicate Beauty of the Directoire



Margery Sill Wickware uses draperies of Celanese Faille Taffeta over glass curtains of Celanese Voile, both in a soft, maize gold tone, to achieve a delightfully sunny effect in a Directoire breakfast room.

THE graceful, feminine quality of the Directoire ting — favored in the current ival of feminine fashions — ds a harmonious decorative cent in draperies of Celanese. he luxurious textures . . . the t, clear colors of Celanese . . . reflect the subtle auty of this charming period without disclosing e sturdy features of these modern synthetic tex-es. Celanese Decorative Fabrics have a natural, avy suppleness — entirely free from loading . . . they are not harmed by rain or dampness . . . do not shrink or stretch . . . will not mold or mildew . . . do not split or crack . . . and may be cleaned repeatedly without losing their lustrous beauty of texture and luminous quality of color.

CELANESE *Decorative Fabrics*

TRADE MARK REG. U. S. PAT. OFF.

Celanese yarns, fabrics and articles are made of synthetic products manufactured exclusively by the Celanese Corporation of America, 180 Madison Avenue, New York

Whether you desire authentic antiques

here you will find the answer to your needs in

MANTELS



THE Wm. H. Jackson Company's activities in the *creation* and *importation* of fine mantels are a revelation to all who wish to add authentic beauty to their hearths and homes. ❖ Whether you wish a rare and costly antique mantel, or a facsimile of some museum piece worth thousands of dollars, Jackson stands ready to serve you. ❖ Whether you desire the classic simplicity of the Brothers Adam and their illustrious contemporaries Percier and Fontaine...the elegance of the Empire...or the richly ornate styles of the Renaissance...Jackson is equally prepared to supply your needs. ❖ Whether your interiors be "early" or "late" —English, French, Italian, Spanish or Colonial—this century-old House, with its wide experience in the creation and collection of *objets d'art*, is eminently qualified to provide mantels of distinguished beauty and decoratively appropriate style, size, period and nationality. ❖ The Wm. H. Jackson Company is not only a *direct importer* of Marble and Stone Mantels (both authentic antiques and modern reproductions) but duplicates many of these Old World masterpieces in *Cretan Stone*, an exclusive Jackson product, which rivals natural stone itself, in hardness, texture and beauty. ❖ Jackson Mantels, and other Jackson Fireplace Accessories created to dramatize the hearth and make it a vital factor in the decorative scheme, may be seen at the Jackson Galleries in New York and Chicago and in other cities at those well-known establishments which serve you as Jackson's Exclusive Representatives. (See panel at right).



Authentic reproduction in Cretan Stone *of a fine Adam Mantel, recalling the Roman influence which marks some of the best examples of this artist's work.* Cretan Stone *is an exclusive Jackson product, composed principally of finely crushed marble. It permits modeling, chiseling and tooling of the highest character.*

These leading establishments, long known for the scope and character of their service, now bring to you, as exclusive representatives, the famed creations of the House of Jackson:

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Complete Fireplace Ensemble furnished and installed by the Wm. H. Jackson Company. A beautiful Louis XV Marble Mantel imported from France by Jackson and equipped with appropriate Period Andirons, Metal Linings and Cove Frame of Jackson design and manufacture.

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prominent families in the social register



AT last the bedroom has come into its own. We moderns have discovered that not only do we sleep in our bedrooms but wake up in them . . . sometimes breakfast in them . . . even receive our friends in them. And so all the resources of modern wallpaper are called upon to aid in making bedrooms gay or alluring . . . stimulating or restful as the temperament of the owner dictates.

The right wallpaper can work a lovely magic in *your* bedrooms, too . . . emphasizing the sturdy masculinity of this room . . . making that one suavely elegant . . . the other sweetly *chic*. With its aid dull rooms take on a refreshing newness . . . ill assorted furniture an unexpected harmony. And every morning the members of your family wake to walls that reflect their varying personalities . . . that whisper sophistication or naivete . . . are dignified or gay.

Because, today, the range of wallpapers —classical, semi-classical and modern— is so wide . . . and because the effect of varying patterns on the apparent size and shape of a room is so different . . . to help you the Wallpaper Association has published a handbook. This tells you almost everything you want to know about decorating with wallpaper. 10c will bring it to you and with it comes the right to free advice at all times on your individual decorating problems.

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Please send me your book "Improve it with Wallpaper." I enclose 10c.

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CHEVROLET

An inexpensive personal car of quality and charm



The Chevrolet Sport Coupe with rumble seat

Of course, the modern woman wants the car she calls her own to be attractive. That's why Fisher designers have styled the new Chevrolet Six with a smart new swing to its lines and a smart new sparkle to its colors. And if you think charming interiors are exclusive to costly cars, by all means see what has been done in this new Chevrolet. The wide, deeply cushioned seats are smartly tailored in broadcloth or mohair. Fittings and trimmings are all of excellent quality and in excellent taste. And there is really every bit of the comfort and convenience to be found in expensive cars. In the matter of mechanics, you can take this new Chevrolet for granted. It is a *thoroughly* well-built car—swift and smooth—extremely easy to handle and comfortable to ride in. All in all, the new Chevrolet Six is the kind of smart personal car that one takes some little pride in owning and a great deal of pleasure in driving.

Chevrolet prices range from $475 to $650, f. o. b. Flint, Michigan. Special equipment extra

CHEVROLET MOTOR COMPANY, DETROIT, MICHIGAN. *Division of General Motors Corporation*

NEW CHEVROLET SIX

The Great American Value



Look for the BIGELOW-SANFORD *name, the mark of quality on the back of every genuine Bigelow-Sanford rug and carpet.*



How small is your budget?

. . . never mind! Don't let your budget scare you away from Bigelow-Sanford rugs and carpets. As little as $20 will buy Bigelow-Sanford quality. . . superb quality that is made possible by the unrivalled resources of the oldest and largest of weavers.

A nearby merchant (name on request) will show you patterns and colorings designed by Bigelow-Sanford to meet your every need. ● Send for illustrated folders (free). For $1 a beautiful, bound book, *Decorating Your Home,* will also be sent. Bigelow-Sanford Carpet Co. Inc., 385 Madison Avenue, New York.

Rugs and Carpets by

$20 to $180 9' x 12' SIZE

No rugs and carpets so varied as those by Bigelow-Sanford... designs, colorings and weaves for every type of home, every taste.

BIGELOW-SANFORD

Golden hours—packed with pleasure ★ ★



21 new Custom and Standard runabouts and sedans; 17 to 30 ft.; 25 to 45 M. P. H.; $1295 to $6500.

ry day is filled with pleasure . . . when you own a Chris-Craft. A world unknown to landsmen is yours to explore. ★ ★ Go ere blue skies beckon; drink deep of sun and wind . . . and health. Log the miles slowly, or eat them up in a swift, ilarating dash. ★ ★ Chris-Craft joins the young folks in their water sports. It carries family and friends in *dry*, deep-hioned comfort on all-day trips. It is a necessary part of vacation or social life at the world's watering places. ★ ★ You'll oy Chris-Craft speed, beauty and luxury more, knowing these are *safe*, seaworthy boats . . . product of 44 years' experience . . . with famous Chris-Craft V-type hull and double-planked bottom. ★ ★ A *new* Chris-Craft fleet, smarter and finer than ever, v awaits inspection . . . models suiting every taste as to size, speed, power and price; as outstanding in value as in beauty and formance. ★ ★ Plan, this year, to share the joys of motor boating, which Chris-Craft has made so inexpensive and easy to ain. Your Chris-Craft merchant will gladly demonstrate . . . and explain the finance plan that enables you to buy out of income.

C-C Corp., Pt. 1 (107)



Chris-Craft

RUNABOUTS . . . SEDANS . . . COMMUTERS
CRUISERS . . . YACHTS . . . TENDERS

New 31 and 36 ft. family cruisers; single and double cabin, open and closed bridge; priced as low as $3975.



The clock in the photograph above is LYNN, with Westminster tubular chimes and gold dial. Price $

"Late again! We'd better get a Telechron★ Clock

HOSTESSES' nerves are calmer now. Servants are seldom disgruntled. Roasts don't come to the table overdone. Dinners planned for eight o'clock begin at eight. All because Telechron electric time has made it almost unpardonable to be late for a social engagement!

A Telechron Clock keeps its owners on time. It owes its uncanny accuracy to the Telechron Master Clock in the power house. By checking generator speeds to keep them constant, Telechron Master Clocks assure accurate time service to the alternating current electric outlets in your home and office. Simply "plug in" a self-starting Telechron Clock and this modern necessity is yours!

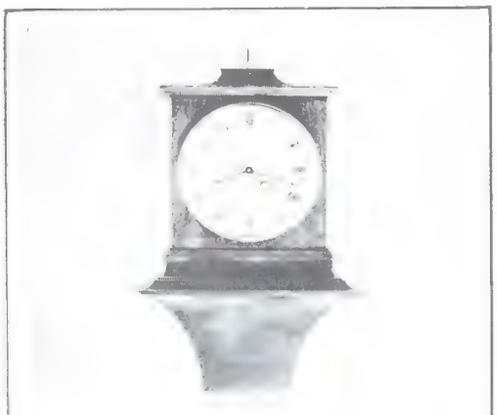
Telechron Clocks and Master Clocks were made for each other. Only clocks marked "Telechron" on the dial can bring true Telechron service.

At a nearby dealer's (listed in the classified telephone directory) you'll find a host of interesting models. Stately grandfather's clocks for hall or stairway. Graceful tambours for the mantel. Quaint banjos for the wall. Attractive uprights for desk or dressing table. All built for beauty and precision.

Telechron Clocks are priced most mode ately from $9.75 to $55. The Revere Clo Company of Cincinnati, Ohio, manufactur distinguished chiming clocks with Telechro motors, priced from $40 to $1200.

★ Telechron is the trade-mark, registered in the United Stat Patent Office, of the Warren Telechron Company.

WARREN TELECHRON COMPAN
ASHLAND, MASSACHUSETT



» [illegible] high $35.00 «



» Hostess—For the kitchen. Moulded case. $9.75 «

TRADE R MARK

A man wants leather about him

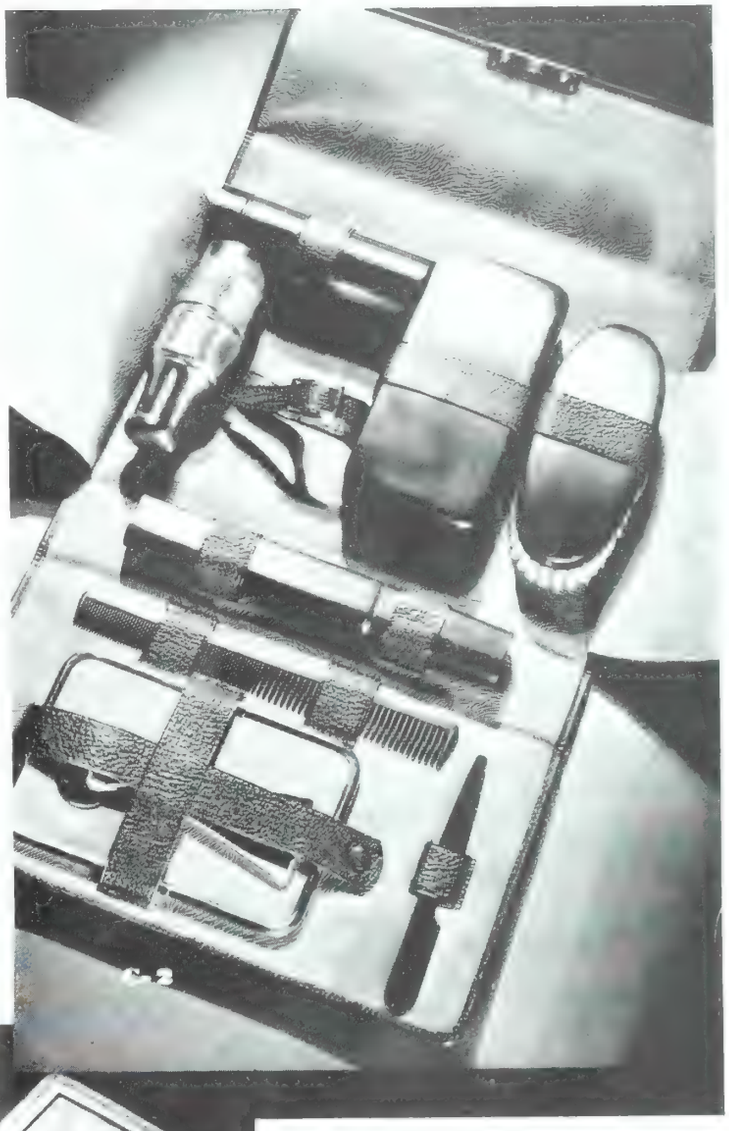
IS an old truth that the things we have around us make us gely what we are. The books we read, the friends we share, disposition of our leisure hours . . . these, in their aggregate, old and shape our lives.

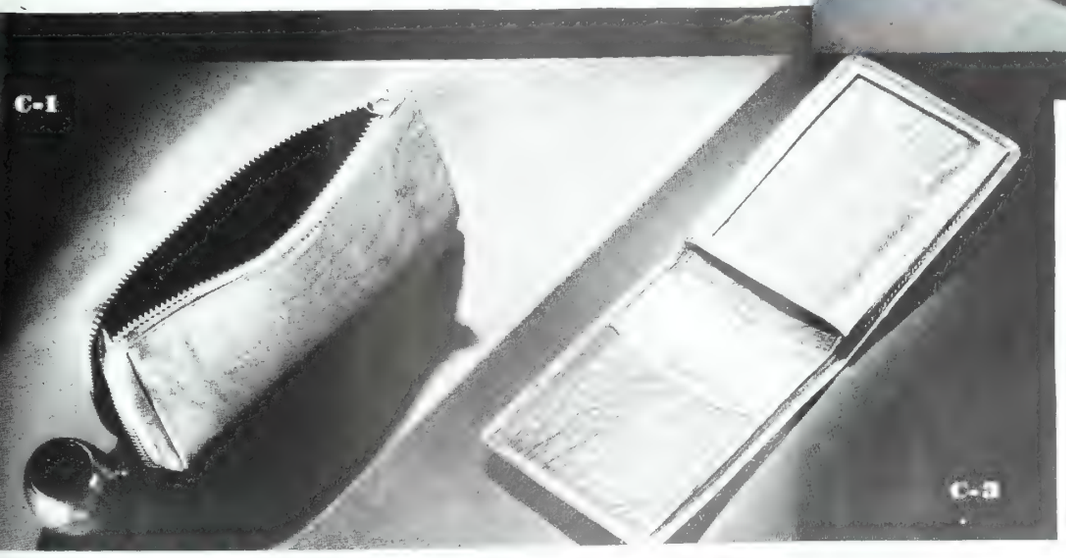
And perhaps nowhere is environment so unmistakably re-aled as in our personal belongings. Even with clothes (which *not* make a man, but express his taste) good breeding has its luence. And breeding is even more apparent in the accessories h which a man surrounds himself . . . a toilet case, in tawny rich skin . . . a slim brown bill-fold, monogrammed . . . a ivate box for collars.

It is for this reason, undoubtedly, that so many cultivated ople choose to own articles of fine leather. And leather espe-lly becomes a man. He likes to run his fingers over its stubborn face . . . to smell its honest, leathery fragrance. He knows that gift of fine leather belongs with books and dogs and a gun. ere is an intimacy about it that he treasures.

Frequently, such men govern their purchases of these articles the presence of a tiny golden keystone R. That imprint, the l of a high tradition, is to be found upon every piece of fine ather manufactured by C. F. Rumpp & Sons, Inc., of Philadel-ia. In a word, it is your infallible assurance that the gift is od . . . pre-eminent because of beauty, taste, and character.

C. F. Rumpp & Sons, Inc., manufacture fine leather articles every description, excepting luggage. They may be had at partment stores, jewelers, stationers, leather goods stores, and berdashers.





C-1 . . . a pipe and tobacco pouch, the latter closed and opened with a slide fastener. In black and brown goatskin, pigskin, and ostrich. Patent applied for.

C-2 . . . a toilet case, of cowhide, leather lined, with bronze locks or gilt locks, dependent upon the choice of black or brown leather.

C-3 . . . a bill-fold, of ostrich skin, lined throughout, with compartments for identification cards, stamps, and business cards. With or without gold corners. The bill-fold also may be had in an assortment of beautifully grained camel and seal leathers.

C. F. RUMPP & SONS, INC.

PHILADELPHIA AND NEW YORK
ESTABLISHED 1850

WHEN  THE GARDEN DOOR OPENS

Soon frozen lumps of lawn will thaw into welcome green, and gunny-sack cowls will be stripped off the rose-bushes . . . soon red and yellow sparks of tulips will burst into flame under the May sun. . . . When you've opened the garden door for the summer—let it open on a world of bloom that lasts till the frosts of Autumn. Clouds of roses, dashingly brilliant zinnias, strange varieties of lilies from distant lands—House & Garden will tell you how to plant and care for every flower . . . how to grow every kind of garden.

House & Garden will help you plan your whole gardening season—so there'll be no lapses in mid-August when you'd have to blame the heat for scarcity of bloom. House & Garden will show you garden furniture for lazing under the evergreens, and the wisest ways to put your garden to bed in the Fall. It will help you make those jaunty summer curtains and slip-covers that seem to grow a garden indoors . . . it will later help you translate summer gaiety into winter dignity in all your household decorations.

House & Garden will not fail you—in the details, or in the important decisions about building, or decorating, or gardening. Send in the coupon to-day for a two-years' subscription. The price is only $4—a small premium to pay for two whole years of charm and beauty in your home.



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JOHNSON & FAULKNER

ESTABLISHED
1823

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NEW YORK CITY

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ESTABLISHED more than a century ago, Johnson & Faulkner for generations have been importing Old World fabrics to meet the most exacting requirements of the decorative trade. Decorators and their clients are cordially invited to visit the new Johnson & Faulkner Building, and to inspect, under ideal conditions, a comprehensive display of every type of high class fabric required in the decoration of the modern home.

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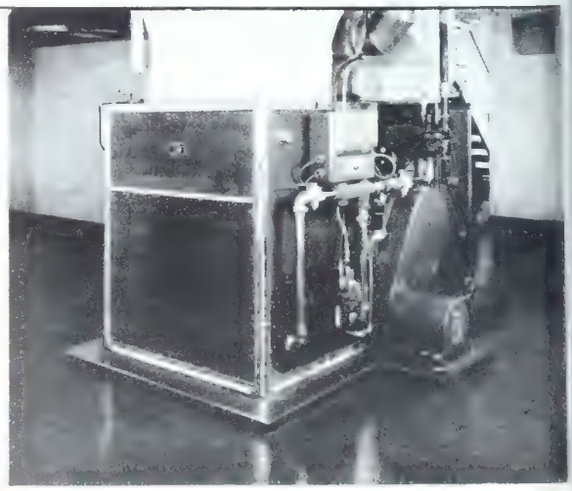


A typical basement game room in a fine home in suburban New York. The Weathermaker is clean itself, it filters dust and dirt out of the air in your home.

You can't really enjoy a fine home if the air is dry, stuffy, and depressing. The Weathermaker gives you the clean, stimulating, comfortable air which comes from controlled humidity, proper temperature and uniform circulation.

• • •

The Weathermaker is automatic in operation. It comes in sizes for all homes. Ask your architect about it.





All winter long you can have in your home the fine, bracing air that you enjoy when you play on the famous golf courses of the world.

RIGHT IN YOUR WINTER HOME

You can breathe the air others must travel to find

THE best salesman for the hotels of Florida, California, and the Riviera is the old-fashioned, stupid heating system. Warmth does not make comfort when it fills the home with hot, dry air which sucks the moisture from everything it touches. Such heating dries your skin and makes you feel uncomfortable. Nasal passages are robbed of resistance to colds and worse. Your whole body is devitalized, and you feel chronically mean and run down.

So you begin to yearn for the tonic of Lake Tahoe, the sunny stimulus in the blend of sea and mountain ozone of the Maritime Alps—for Aiken or Miami, Bermuda or White Sulphur. It is not just a warm sun that you seek when you leave the luxury of your home for a southern pilgrimage. You are being driven to a spot where the air is clean and bracing.

No resort ever became popular that could not boast of fine air. No home is truly comfortable without it. You can, if you wish, breathe all winter the air of mountain tops and moors and piney wilderness, right in your own home.

You will have to read a little book to get the whole story, but we have room for a brief digest. The secret of stimulating, health-giving air is a combination of the right temperature, the right amount of moisture, the right amount of circulation, and freedom from germ-laden dust.

That is exactly what the Carrier Weathermaker provides. The Carrier Weathermaker does not stop at being an efficient heating system. It begins at that point. First, it cleans the air. Then it heats the air to the desired temperature. Then it puts into the air the amount of moisture that makes you feel at your best. Then it circulates this clean, warm, moisture-laden air throughout every room in your house. In every part of the house there is comfort. Your head is never hot while your feet are cold. Rooms never get stuffy.

Because the humidity is controlled, fine furniture and rugs do not become dry. Priceless antiques are not ruined. The piano does not require constant tuning. Costly panelling does not shrink. Walls do not crack and destroy decorations.

Where health is guarded by the Weathermaker, colds are rare.

Isn't that promise enough to cause you to send for a book?

Of course, the Weathermaker sometimes costs more than an ordinary heating system. The additional cost might be as great as that of a modest vacation to some place where the air is good. It might equal the cost of constantly repairing furniture and keeping the piano tuned. It might be as much as you have been paying doctors, nurses, throat specialists, and hospitals.

But those who have installed the Weathermaker are enthusiastic in their agreement that it is worth all it costs.

At least send for our book—free, of course—and get the whole story about this modern, sensible way to keep well and comfortable in winter.

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Weathermakers to the World

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Ask us for names of the architects and the home owners in your vicinity who have installed this greatest of all modern comforts.

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Have you ever been without HOT WATER



THE CONVENIENCE of hot water is taken for granted . . . until something happens —usually to the tank. For years it has been generally recognized that the service given by hot water systems has been limited mainly by the durability of the metal from which the tank was made. It has been common practice to use tanks made of rustable metal which did not last as long as the purchaser had a right to expect.

Well-made copper tanks have been used for many years with entire success; the principal objection being their higher price.

Now, hot water tanks are being made of a new metal —Everdur, a copper alloy which actually *exceeds* copper in durability and possesses the strength of steel. Everdur is easy to weld; making possible, for the first time, volume production of rust-proof tanks at moderate cost.

The soundness of welded construction was demonstrated by a leading tank manufacturer. Two welded Everdur tanks, taken at random, were subjected to a test in which the internal pressure was regularly alternated between 0 and 150 pounds per square inch, simulating the extreme effects of expansion and contraction encountered in actual service. The test was carried on for more than one thousand hours—equivalent to forty years' service. At the conclusion of the test, the tanks were critically inspected and found to be in perfect condition.



Tanks of Everdur are available for all types of hot water systems in general use. Whichever type is selected, the durability of an Everdur tank makes its somewhat higher first cost a wise investment . . . both from the standpoint of money actually saved in repairs and replacements, and of freedom from annoyance and inconvenience.

For further information address The American Brass Company, General Offices: Waterbury, Connecticut.

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A LOT OF the credit belongs to wives, as every woman knows. For they learn and *remember* a great many facts that husbands have learned and forgotten.

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Celotex is permanent—can never settle or sag—provides just as effective insulation after ten years as it does the first week.

Celotex takes the place of other building materials, so that you secure insulation at a very slight additional cost.

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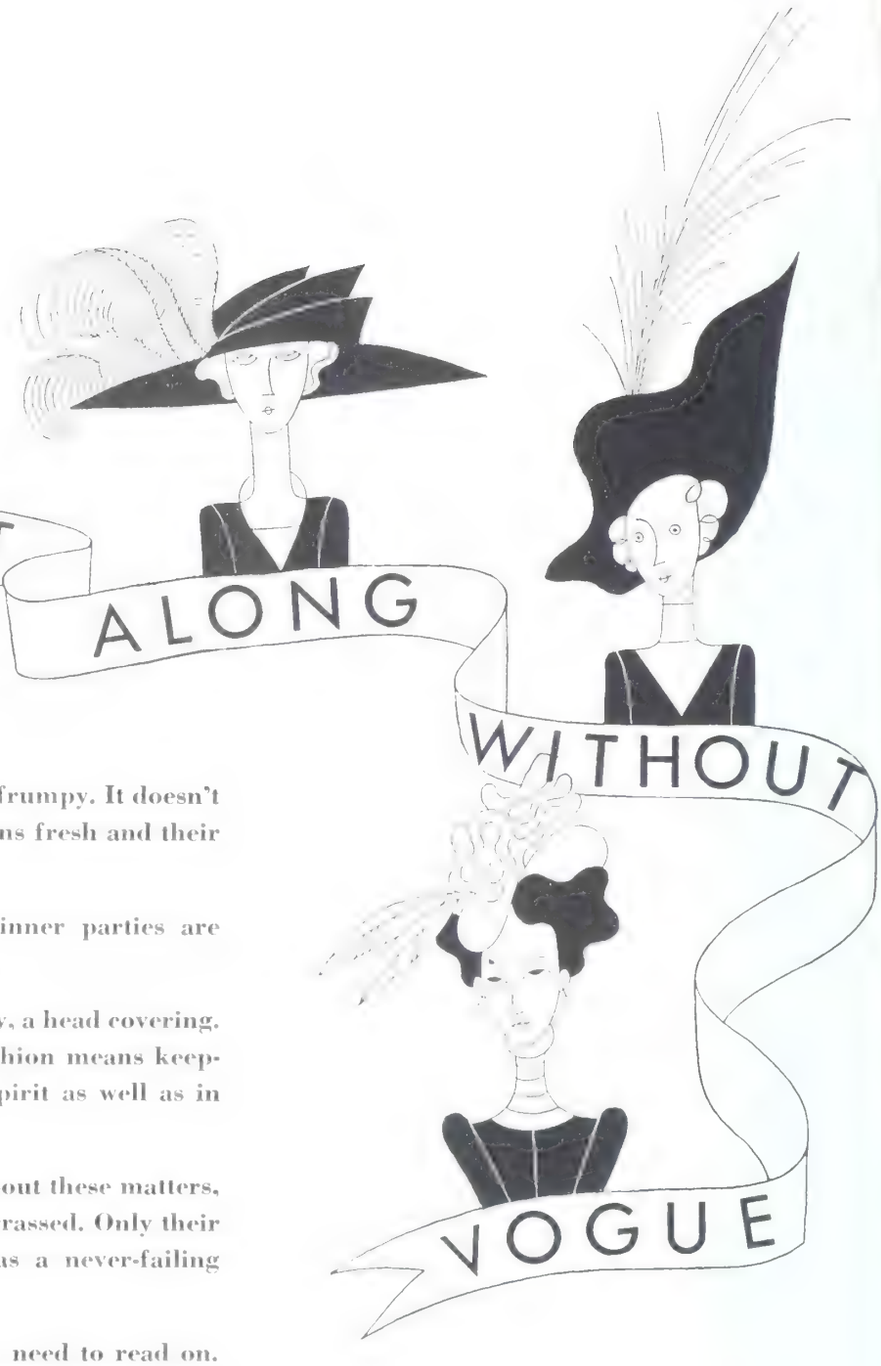


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A hat is a hat to them—or, more accurately, a head covering. They don't realize that keeping up with fashion means keeping up with the times, keeping young in spirit as well as in looks, keeping vital and interesting.

Usually, their husbands feel differently about these matters, and, almost always, their children are embarrassed. Only their acquaintances really enjoy this attitude—as a never-failing subject of gossip.

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Glass Penguins

ENA ROSENTHAL
520 Madison Ave.
New York

THE new metal furniture with good to look at and extremely practical. With such all the waterproof and sunfast fabrics that are available, the cushions are now as durable as the framework itself. Ruth Collins has recently developed a number of pieces for porches and gardens that incorporate many features of contemporary design. The framework of one of the chairs which she is featuring is of iron and in the surface of back and arms has been cut an effective thistle design. The seat is of reed, woven in an open, square pattern that prevents the retention of moisture—a desirable feature in any furniture to be used out-of-doors. To match the chair there is a glass-topped table which may be had in three shapes—round, square or hexagonal. This set can be finished in any desired color, with the chair seats of natural reed. The pieces we saw were a particularly good shade of green. Another product of the same establishment is an observation bench for use beside the tennis court or swimming pool. It is made in three sections, which may be fitted together to form a single bench or used separately, and seats, in all, seven persons. Removable cushions covered in a waterproofed material which may be had in any desired color fit snugly into the iron framework.

FOR the formal garden nothing is more distinguished than a stone or marble piece executed in the classic tradition. Of this type of garden furniture, there is a large and interesting collection to be seen at the Erkins Studios, among which are many copies of decorative Italian pieces. A characteristic stone vase, for garden wall or terrace, is ornamented in bas relief with a procession of dancing cherubs and garlanded flowers. The familiar egg and dart motif and the acanthus leaf are the ornamental features of a graceful marble fountain, in the center of which a small boy rides astride a dolphin. Here may also be found numerous pieces of Florentine pottery whose delightfully variable tones provide a charming and emphatic background for plant greens. Especially when these crude jars have been filled with Ivy or some other of the trailing plants do their deep cream and light red shadings become the most effective.



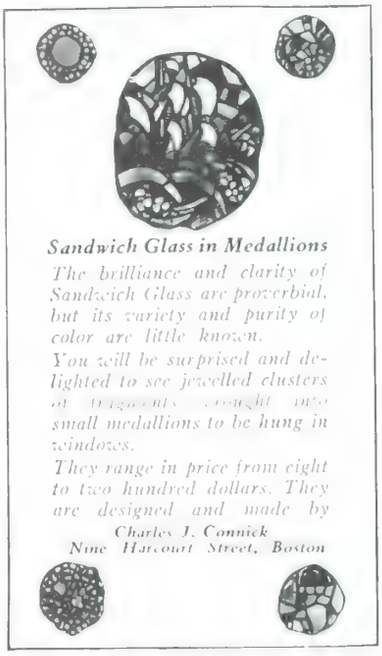
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Sandwich Glass in Medallions

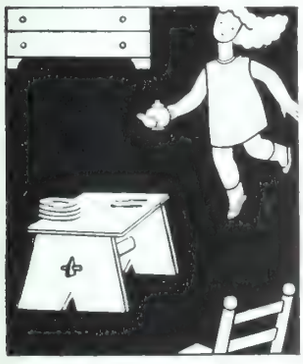
The brilliance and clarity of Sandwich Glass are proverbial, but its variety and purity of color are little known.

You will be surprised and delighted to see jewelled clusters of fragments wrought into small medallions to be hung in windows.

They range in price from eight to two hundred dollars. They are designed and made by

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POMPEIAN STVDIOS

30 East 22nd St., New York

FURNITURE of wicker is traditionally associated with garden comfort. A small kidney-shaped settee of natural color rattan, seen at the Grand Central Wicker Shop, would be equally usable in a garden, sun room or on a terrace. The cushion, which is covered in green weatherproof fabric with a black stripe is the sole note of color on this piece. Among the new garden furniture sponsored by the Sons-Cunningham Reed and Rattan Company is the Sleepy Hollow Group, made entirely of rattan in the natural color, banded in French enameled cane in brilliant hues. These vivid notes of color are repeated in the tailored cushions which are covered on both sides with a vari-colored, flowered English cretonne.

A NEW chair with remarkably comfortable properties, due to its low back and long, low cushioned seat, is the latest product of Edward R. Burns and Company, a firm notable for its attractive collection of outdoor furniture and accessories. This chair comes in wand willow or in reed, with the cushion covered in a coarsely woven material in tones of tan and warm red.

IN a corner of the new Glantz Shop of Agnes Foster Wright, a family of gold fish disport themselves in the oval iron waters of a stone basin and unwittingly form the nucleus for an assemblage of garden furniture and accessories that are both distinguished and different. There is a modern side table of rattan and wood construction, the rattan seat in the natural tone, the wood painted a pale cinnamon color. Accenting this neutral combination are cushions of black and salmon pink. On this table, a gleaming and pedaled bronze cat, fish in the pool, made of pottery, serves as an ash tray, with his finny tail as the handle. To fill one unoccupied wall space in the sun room there is a rustic-looking mirror with wooden frame decorated with a floral design. And for the beauty who gardens, there is a hand mirror of polished steel in an oilcloth case. It was surprising to learn that the charming metal flower baskets seen in the shop are served in Belgium peasant homes in much more humble and utilitarian capacity. A small rectangular one



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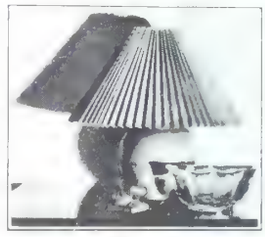
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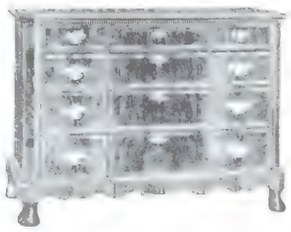
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was originally an egg basket, while another, with large perforations in the lid [illegible] arranging flowers—on carried hot coals to keep warm the dinner of some tiller of the soil while he worked in the fields.

FOR those with a penchant for sitting on the ground, Lewis and Conger offer a new, short-legged collapsible bridge table. In the top, which is made of a coral-colored, waterproof material, two zipper openings admit to a spacious pocket where all the incidentals peculiar to the bridge game may be stored.

TEAKWOOD, of historic seagoing fame, is now being used in the construction of garden furniture of the better type by the George McQuesten Company, of East Boston, Massachusetts. The qualities which recommend its use in this capacity are the same through which it has for ages maintained an unrivalled position as the aristocrat of shipbuilding lumber. Unexcelled in strength and durability, teakwood will withstand all the vicissitudes of the most rigorous climate. Since it requires no paint, stain or other finish this wood blends especially well with an outdoor setting. The utter simplicity of the designs is in harmony at once with the ruggedness of the material and the natural setting for which they are intended.

WEATHERVANES are a favorite method of adding an individual and personal touch to the country estate. Nowadays, when it is not so necessary to know from which corner the wind will blow, the chief purpose of this bit of iron, when it is not purely decorative, is the advertisement of the owner's individual hobby or trade. The possibilities for amusing and ingenious developments are well illustrated in a collection of weathervanes made by Arnold and North, Incorporated. For the inveterate golfer there is a silhouette of himself at the finish of a perfect drive, with an admiring caddy in the offing. A full-rigged ship proclaims a farmer who would go to sea. And four of the proverbially wise owls justify their presence by just being themselves.



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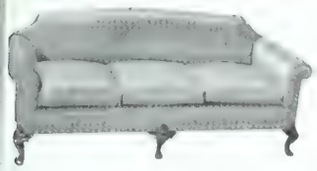
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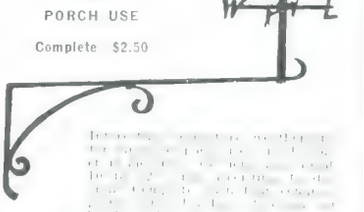
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With peasants in bright petticoats and visitors dressed from the Rue de la Paix, suggests the quaint sophistication of THE DEAUVILLE, a painted bedroom suite. Its charmingly provincial air is accented with the old flower motif used so happily on antiqued ivory or dull red finish.

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It would be well to look in on the Rutland Garden Furniture displayed by Ruth Collins in her new shop at 23 East 64th St.

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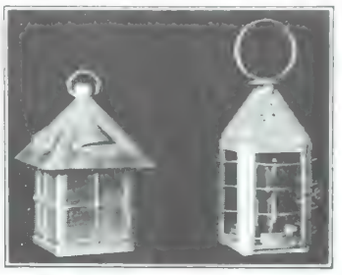
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AMONG the new gadgets for indoor gardening we discovered at Max Schling's is a small watering pot that is as decorative as it is useful. On the body of the pot, which is of copper, are set a slender spout and gracefully rounded handle of brass. This shop also handles a miniature combination spade and rake, designed especially for the cultivation of house plants. This useful article is made of brass and is only 5½ inches in length.

Another new device, also for the benefit of indoor plants, is the "Sun Chaser." This is a small revolving metal dish the purpose of which, as its name implies, is to provide the plants with a maximum of sunlight. Mounted on ball bearings, the "Sun Chaser," which is made by F. H. Albee, can be turned with the least touch of the hand. Thus it is possible to change the position of the flower pots frequently without the necessity of lifting them.

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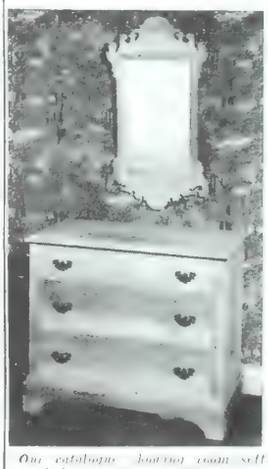
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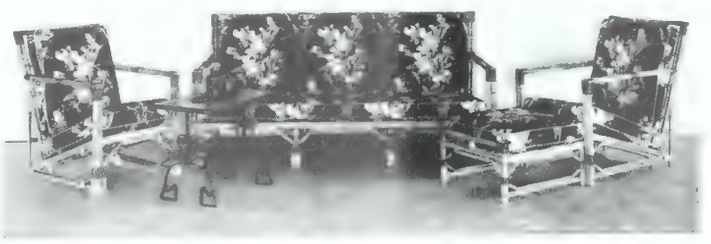
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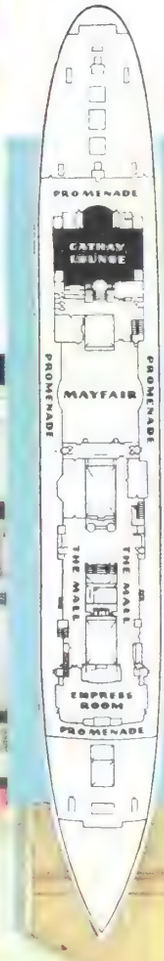
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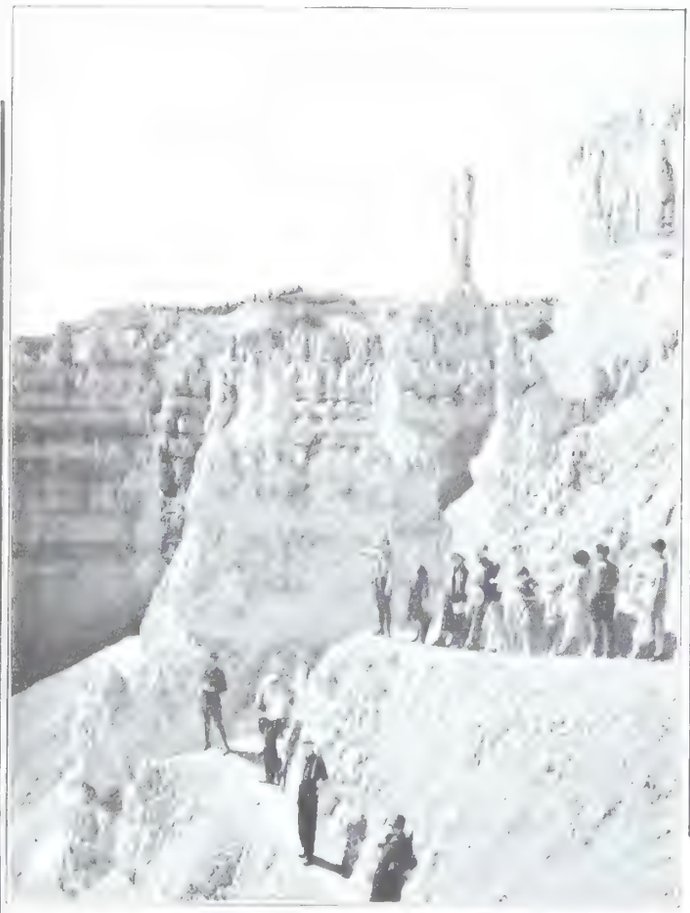
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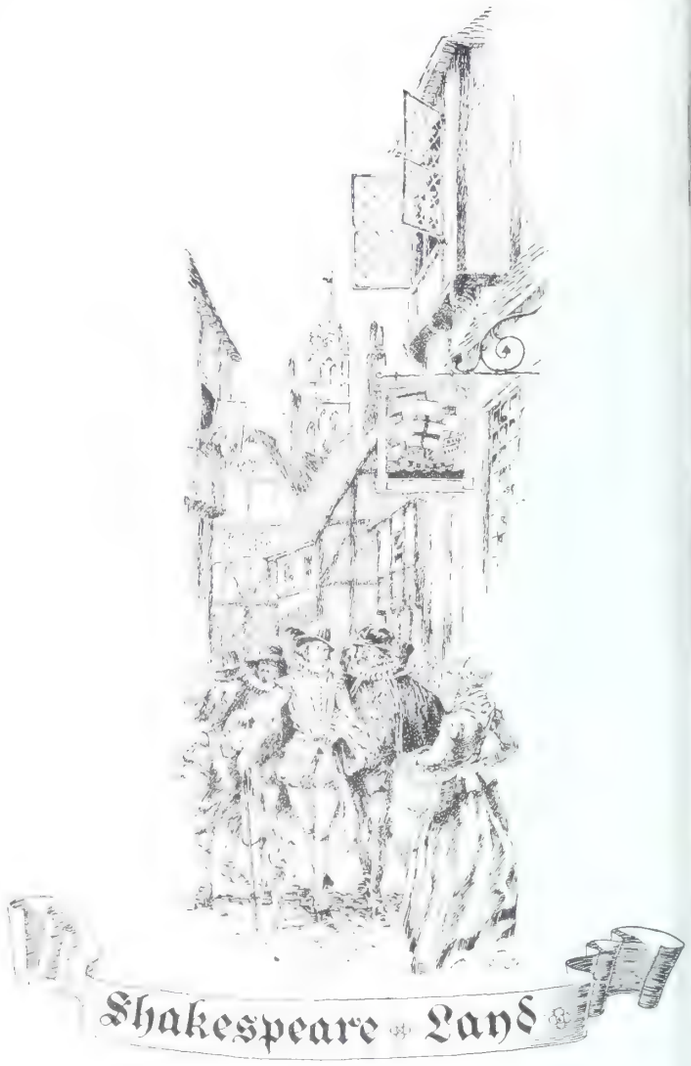
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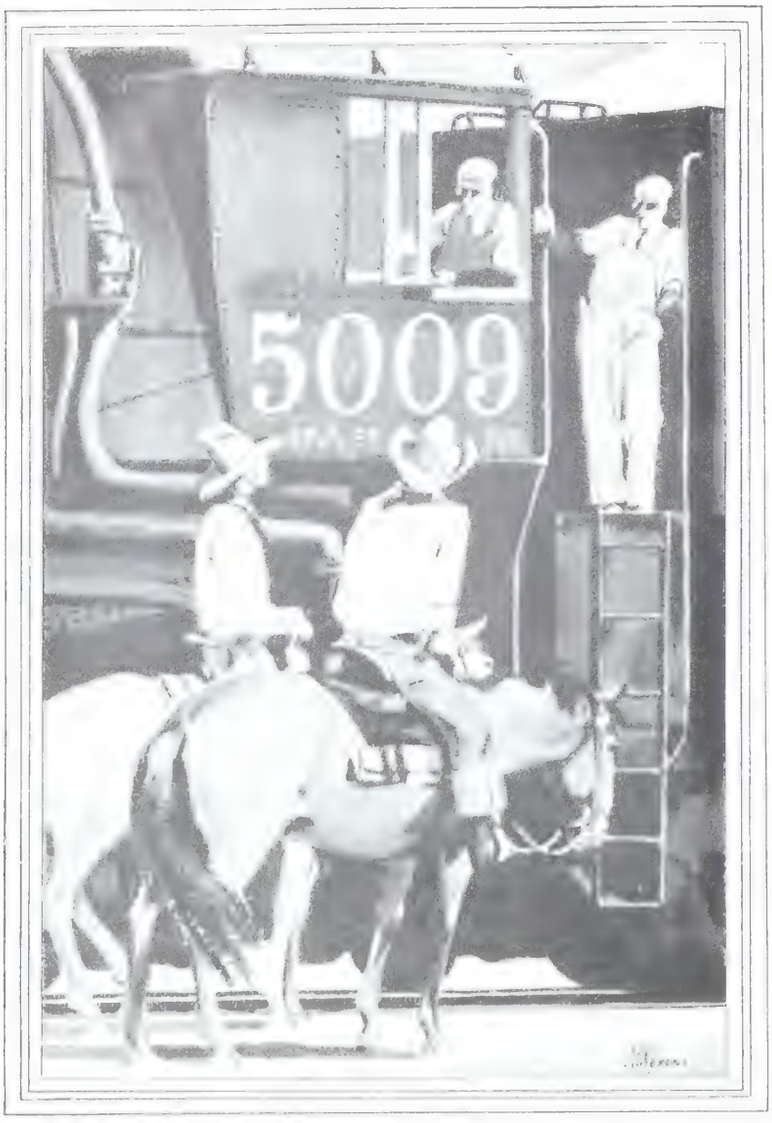
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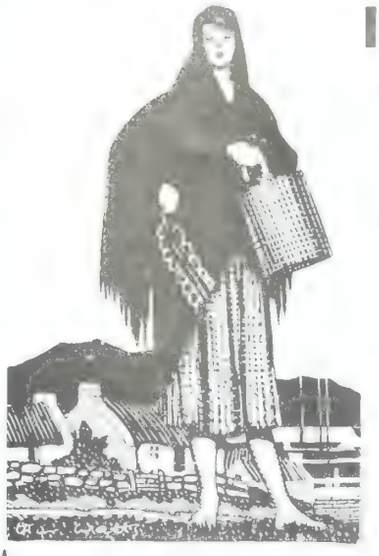
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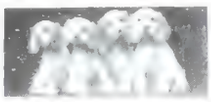
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SAM FROM SIBERIA

Robert S. Lemmon

THIS is a difficult moment. Having decided that this Samoyede is to have his turn in the series of dog interpretations which occupies these columns every month, I am faced with the task of presenting his case within certain specified limits of space.

It can't be done. Nobody can convey within such limits any adequate conception of the merits of this dog from the Far North, that has made such a place for himself among us of milder climes. As a matter of fact, I sometimes wonder whether any number of words, few or many, could do the job fairly. The only complete and convincing story is the Samoyede himself. Anything which can be said of him is rather in the nature of gilding the Lily.

I have been an admirer of the dog ever since his first appearance at the Westminster Show years ago. Experience has served only to confirm the impression then implanted that his character is as splendid as his own superb snowy coat. For the "Sam" is the epitome of pure beauty inside and out, and does that without reservations. Watch a typical one for five minutes and you become his friend for life.

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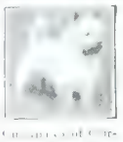
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takable. The Sam returns your gaze squarely, honestly and without trace of calculation. Having nothing to conceal, he is straightforward and sure of his position. There is a deal of the "wide open spaces" about him, yet he is by no means an unlettered, crude backwoodsman.

Closer examination clinches these first impressions. Lay your hand on the dog's shoulders, press down on his back, feel the breadth and bone of skull, chest and legs, and you realize that underneath that gorgeously thick, springy coat are a power and a balance of weight that are no less than perfect. Clearly, it is another case of a fine physique serving as the background for an equally notable character. And the strange part of it all is that the more intimately you know a Sam the more convincing do all these qualities become.

I have heard it said by strangers to the breed that the Samoyede's color is against him—that, whereas he is uniquely handsome when freshly washed, he would show dirt unspeakably. It may not sound reasonable, but the facts of the case are quite otherwise. There is about this dog's coat a peculiar smooth, icy surface which does not pick up dirt like the hair of other breeds, and quite thoroughly clears itself of what soiling does take place. Give a mud-covered Sam a bundle of straw to roll in, and he'll come out of it almost as white as ever. Which is a very real point to consider.

Again, some inexperienced people feel that such a thick coat must entail a lot of suffering in hot weather. Wrong again. For one reason, because Nature automatically substitutes a lighter overcoat every spring. And for another, because a body covering like this is just as good an insulator to keep heat out in summer as it is to keep cold



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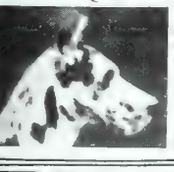
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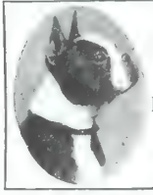
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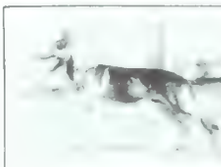


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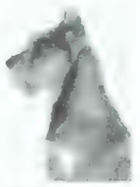


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It is characteristic of real men and women, I believe, to seek and respond to such traits as honesty, wholesome courage, understanding and friendliness, wherever friendliness is deserved. Perhaps this is partly the reason that the Samoyede has won so many supporters. Every breed has its admirers who champion it against the field, but those who have gathered under the banner of the Samoyede are all but militant in their loyalty. Frankly, I don't blame them a bit.



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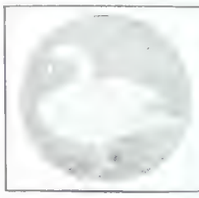


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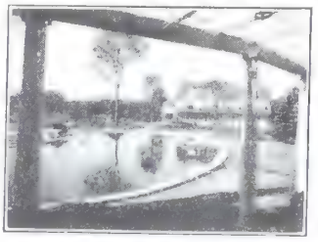
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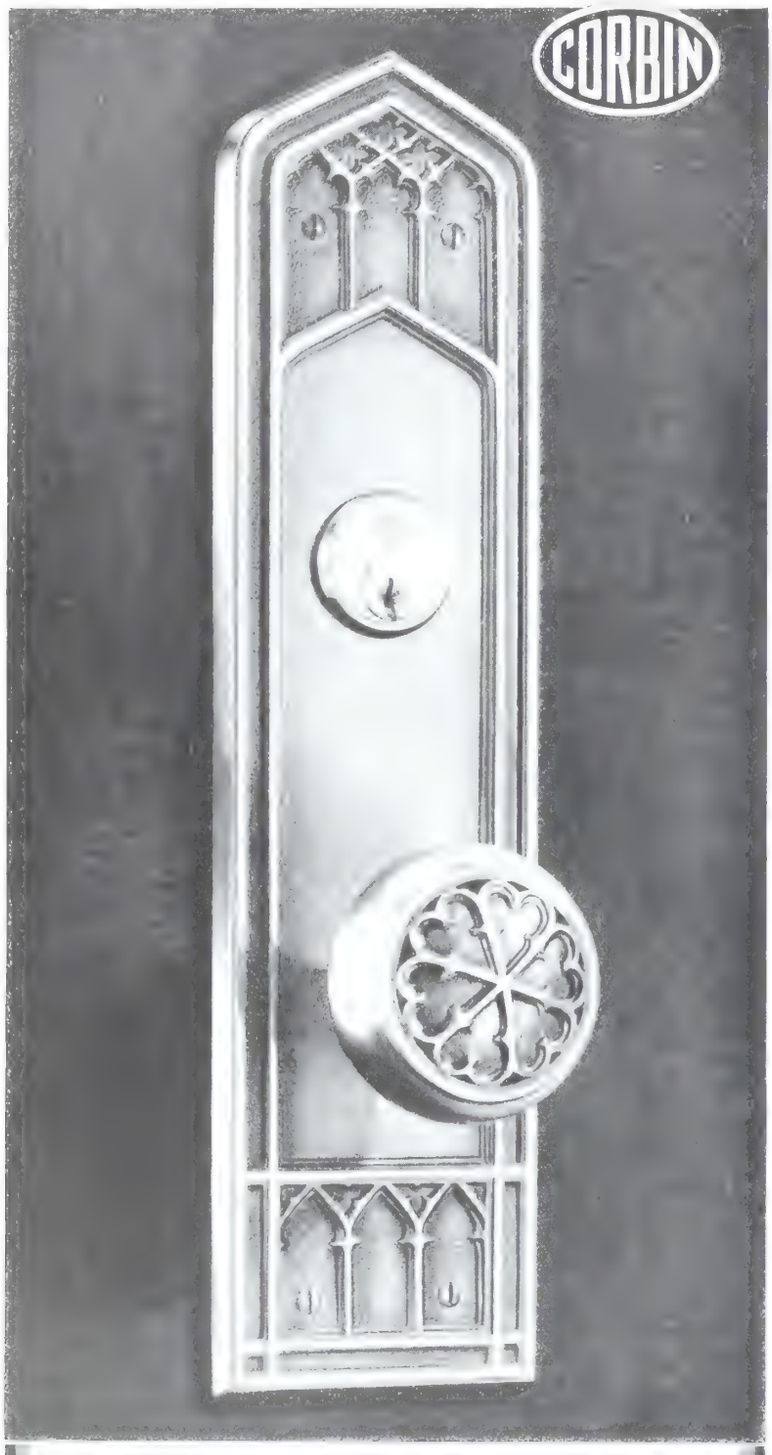
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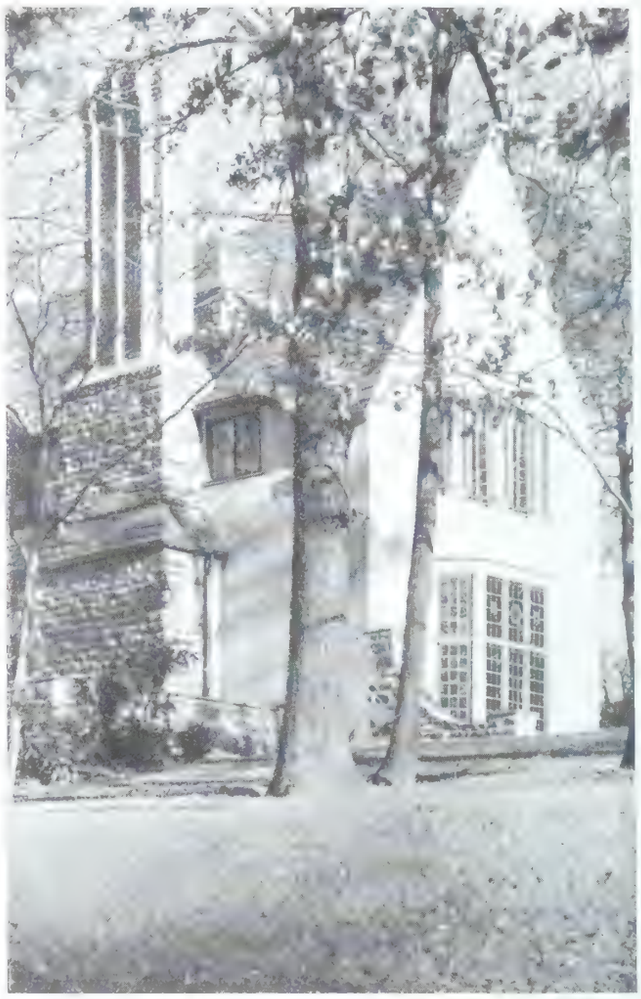


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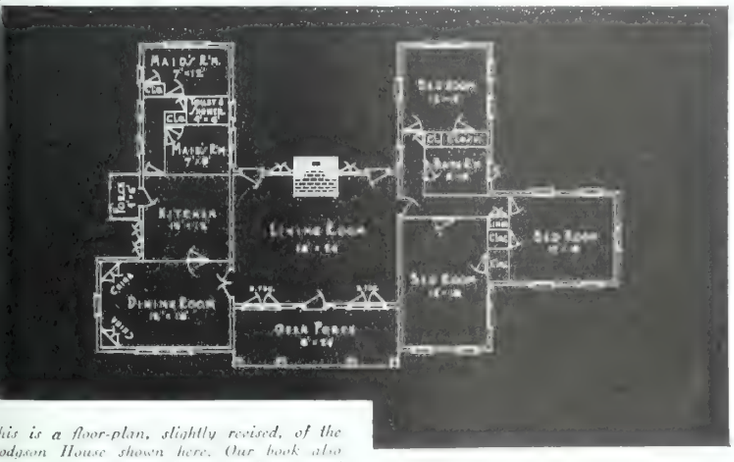
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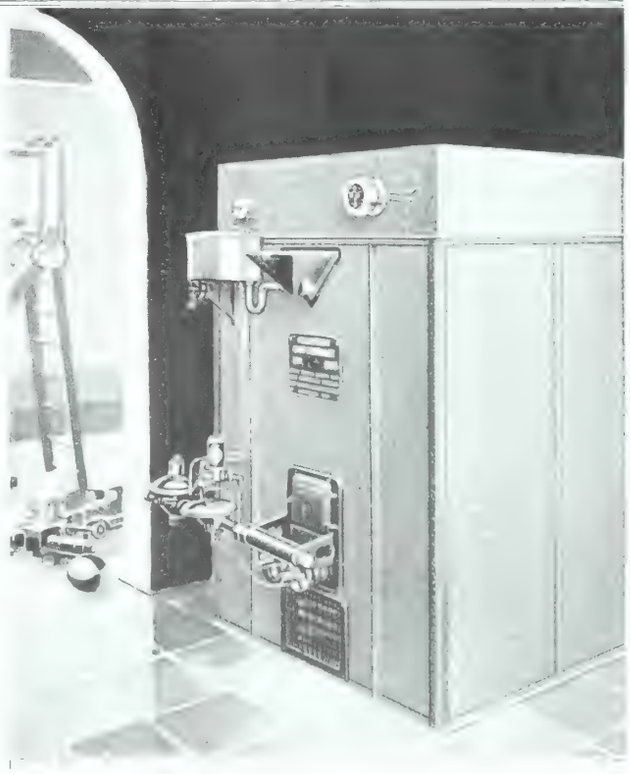
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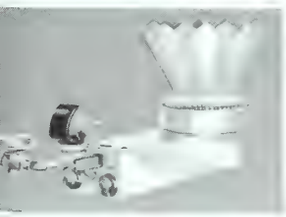
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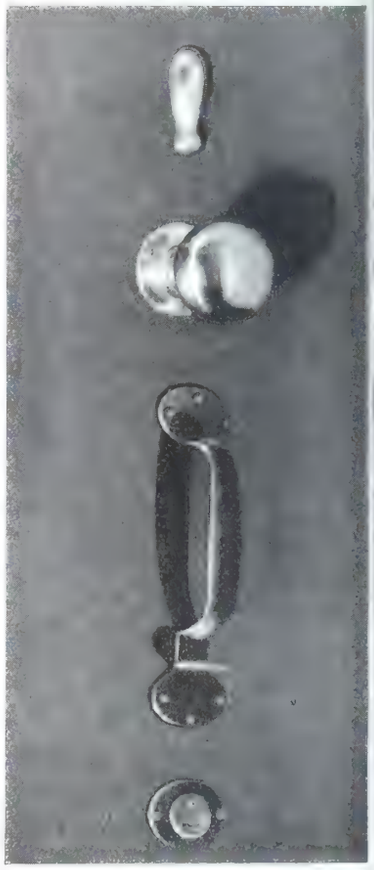
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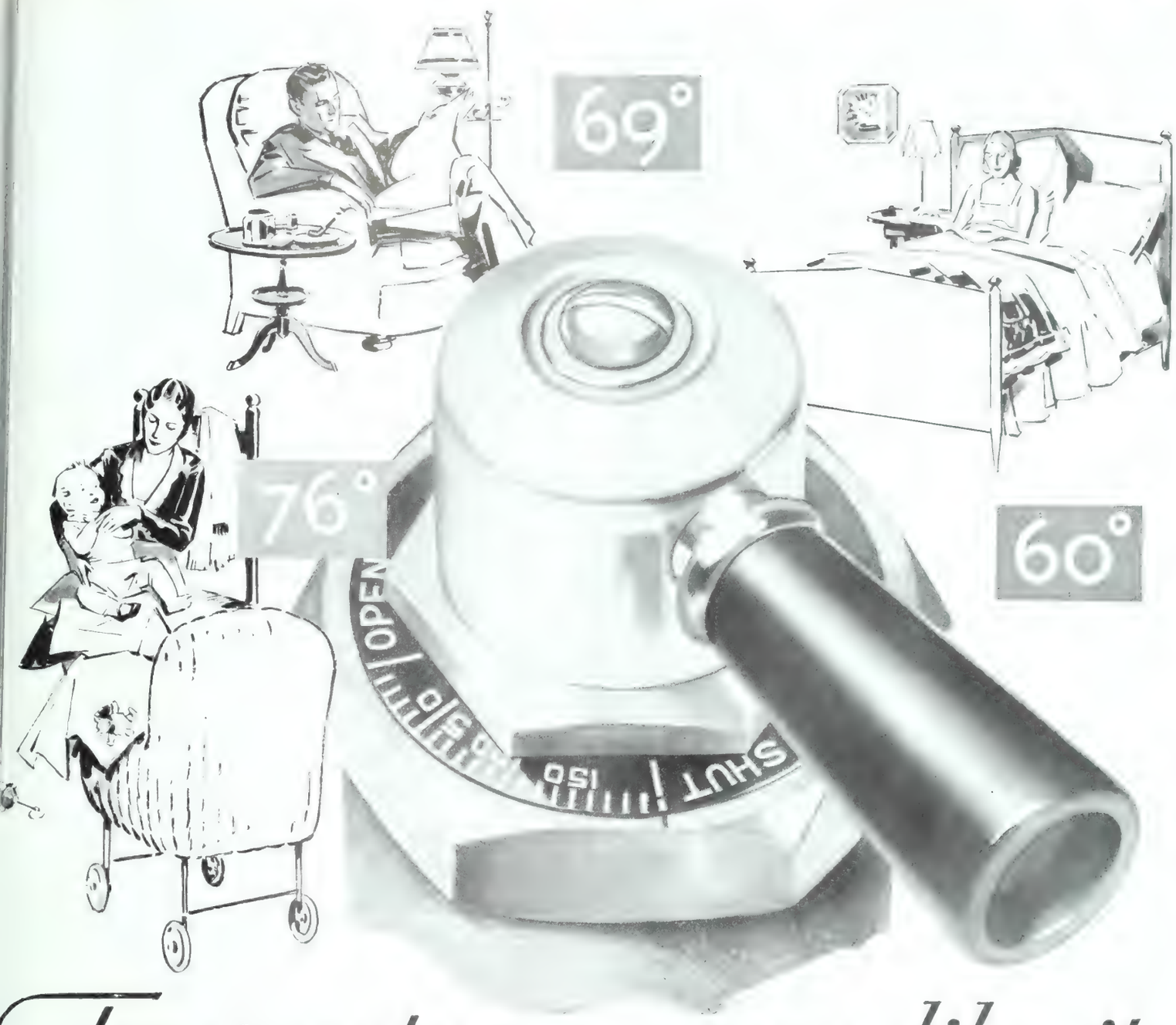
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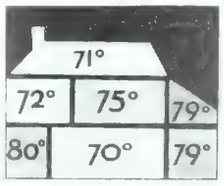
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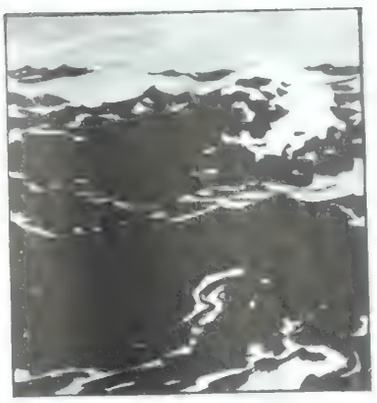
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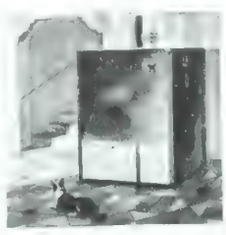
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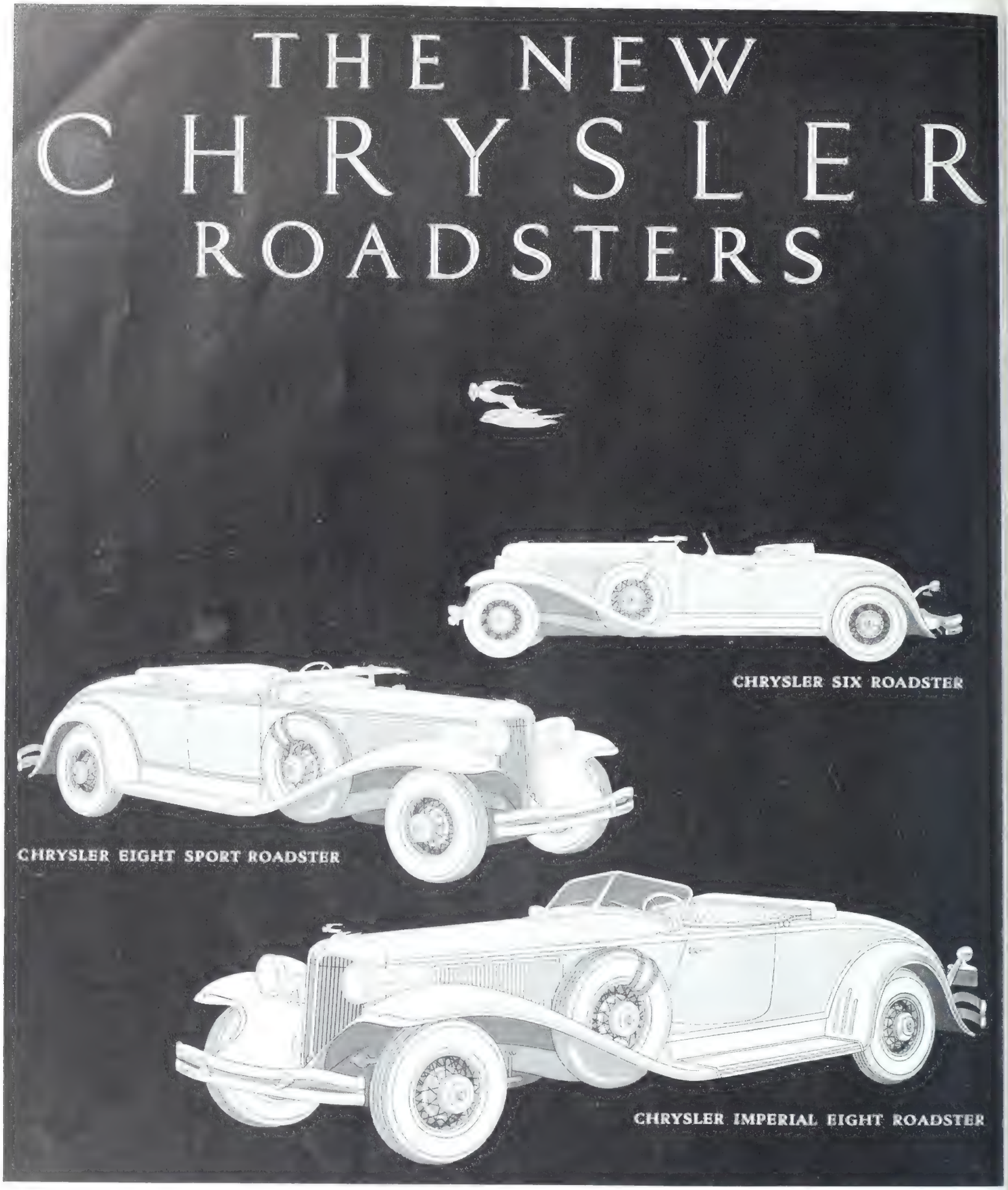
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HOUSE & GARDEN

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March 1931

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THERE is that about the spring awakening of plants which stimulates mankind to strange activities. The contagion of reviving growth in the flower border, the drab mat which for months has been the lawn, or the erstwhile bare twigs of bush and tree, inspires each of us according to our lights. Writing spring poems, housecleaning, spading up the garden, going a-courting, buying a new necktie or hat—they're all manifestations of the same basic urge to start something fresh.

We are glad that this is so. It could be accounted a great human loss were we never impelled to be mildly light-headed. Occasional reversion to simple impulses is good for the soul.

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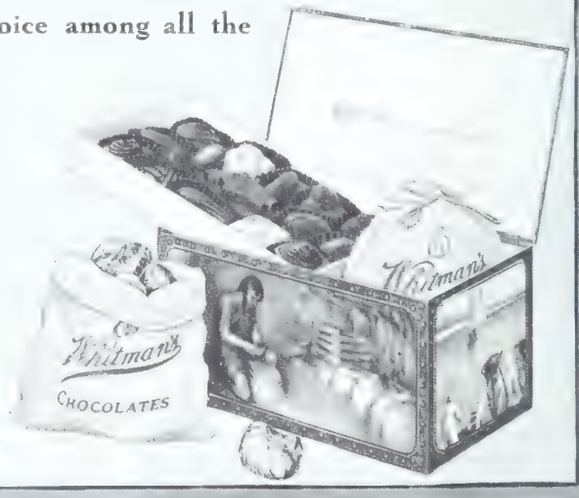
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The BULLETIN BOARD

GARDEN MANNERS. They tell the story of a botanist on one of the scientific expeditions to a desolate corner of the world, how he came across a rare plant, and, instead of rooting up the whole of it, took only a piece and replanted the rest. Would that some of our wild-flower enthusiasts exercised the same discrimination and thought.

This item we would place first if we ever wrote a book on Garden Manners. To it we would add the suggestion that a good gardener, however soiled and clumsy a person he may appear to be, is often worthy of respect. Gardeners perhaps suffer from the fact that, except for an occasional apron, the craft has no distinctive livery. The jockey wears his master's colors, the maids have their uniforms, the chauffeur is clothed according to his rank, but the gardener is happy in baggy pants and an old coat. We must respect him for his intelligence and love for green growing things.

THREE OF A KIND. When an architect designs a type of house that strikes the public fancy, there is no telling where its repetition will stop.

Two years ago we published a house designed by J. Floyd Yewell to our specifications. Shortly thereafter we had the pleasure of passing Mr. Yewell's address along to a reader who liked the design. The house was built. Some time after this a passer-by became enamored of it and he, also, went to Mr. Yewell. Now we learn that history has repeated itself and the architect is doing the residence for the third time.

EASIER TRUNDLING. At last the inventive mind has turned its attention to the humble wheelbarrow. It can now be obtained made of wattles, so light that a child can move it without strain. For lawn work, where you want to avoid making ruts, there is a wheelbarrow that is propelled by a caterpillar belt instead of a wheel. And now the summit of ease is reached by a rubber company offering one with a pneumatic tire on the wheel.

THE NUREMBURG STOVE. Although Americans pick and choose at will in the various fields of furniture and decoration, one item they appear to have overlooked: the German stove. Because we first associate it with a folk fable about Nuremburg, that name has always clung to it in our memory. A massive affair, this, its generous flanks glistening with colorful tiles. It was the palpitating center of Papa Biedermeier's world. Why not, since we are adopting Biedermeier wholesale, take up his stove? Where rooms are large enough—and many of our houses afford adequate area—this stove might prove quite a decorative and interesting feature. Either in plain white tiles or in the colored, it is available in many desirable shapes; even the Modernist versions of it are generally pleasing in line.

TRURO

There is a little house
In a quiet valley
Where I should like to live
When I am old and can
No longer take the sun,
Where fog blows through
From off the restless sea,
And poplars shiver there
Afraid of its caresses;
A house of laughter and of tears,
Where one has loved
And suffered by the loving
But has regained a quietness
Within its peace and beauty.

—MADELEINE ELLIS

THE GREEN THUMB. There are some people—often very humble people—who seem gifted above others in their capacity for making plants thrive. In the past century Max Leichtlin of Baden-Baden bore this reputation: when all the experts failed, the seeds and plants were sent to him, and invariably he made them grow. This gift has its own quaint name: you say of a man who can do this, that he has "the green thumb."

ALABASTER. Among the popular materials now being used for lamp bases, cigarette boxes, ash trays and such, is alabaster. Since the Egyptian and other ancient people found it useful, we can scarcely call it new. What sources of the stone they tapped, it is difficult to say; most of the world's supply now comes from Volterra in Italy, and Pisa and Florence are also centers of the industry.

ART FROM IRAN. London has just been going through the throes of a Persian Exhibition, and what may come of this new-born enthusiasm in the way of taste cannot yet be said. To Americans, Persian art seems a trifle off their orbit to enjoy with keen appreciation, and yet, once the fancy is caught by it, one rarely loses the spell. The collector of Persian miniatures and the collector of Persian manuscripts alike feel this persistent fascination.

There never was any writing in the world so beautiful as Persian. It has a decorative, fluid quality that even the noblest font of type fails to convey. For the Persian raised calligraphy to a superb art. A sheet of old Persian writing framed and hung on the wall has even more decorative qualities than many an etching.

There are many other phases of Persian art worth collecting and studying—fabrics, silverware, and wood carving among them. They offer endless suggestions to the designer of fabrics and wall papers. Perhaps, in time, we shall feel pulsations of this Persian show in the decorative art of America.

CACTUS PROPHECY. The current popularity of Cactus both as a house and apartment plant and in the garden is beginning to attain its zenith. Consequently House & Garden looks back on its prophecy with paternal affection. In October 1923 we stated, "Now we are leaving the mid-Victorian and cease to shudder at wax flowers and kindred manifestations of its vogue, why not extend our interest to those quaint examples of the Seventies, the potted Cactus?"

Seven years after this prophecy was made. Now we venture to make another. Not only will hardy Cactus be grown in gardens, but the interest will soon extend to all forms of succulents—Sedums, Sempervivums, Aloes and such—and the succulent garden in more favored climates may, eventually, attain some of the popularity now enjoyed by Alpine gardens.

The appearance of Dr. Houghton's *The Cactus Book* is an indication of the movement. Having read his pages, one vows forthwith to start Cactusing. England's Cactus Society was founded as far back as 1895, at which time there were in the British Isles 2,000 collectors and growers of these plants. But even before that, in the '40's and '50's, Cacti were favorite plants with amateur gardeners.

BUTTERFLIES INDOORS. The Modernist seized on the Cactus because of its strange shape, and in Germany, where the Modernist movement in architecture and decoration appears to thrive the indoor winter garden of Cactus and succulents is a commonplace. It is usually a large glass case filling the sunny end of a room, with the potted plants placed on glass shelves.

Now these worthy Teutons have gone in for raising butterflies in their winter gardens, and the lovely creatures flutter from plant to plant in a highly decorative fashion. It is not difficult to raise them from cocoons. A new book, *Farfalla,* tells all about it. Perhaps this, too, will become a domestic sport in America.

BAILEY AND FARRER. To the desirable gardening books add the titles of *Hortus* by L. H. Bailey, a splendid and handy gardening dictionary; *Rainbow Fragments*, a garden book of Iris, by J. Marion Shull; and *The Plant Introductions of Reginald Farrer,* edited by E. M. Cox. Farrer's writings are constantly in demand, and this memorial volume is a worthy addition to Farreriana. In it are reproductions of some of Farrer's own flower paintings, for he was an artist first, then a novelist, then a plant explorer.

THE GARDENING GUIDE. Toward the end of this issue the reader will find eleven pages of tables into which has been packed about all the gardening information necessary. Mr. Rockwell selects plants suitable for all sections of the country. A. D. Taylor, landscape architect, sets down in his columns the work of ten years' research and correspondence, presenting, with his text, the extremely valuable feature of an all-American planting table. Beyond this, Mr. Andrew Wilson tabulates plant diseases and their prevention or cure—the first of a series of three such charts which are being prepared for House & Garden under his direction.

Each of these tables required vast investigation and constant checking by authorities. As now presented, they represent the most authentic, dependable and scientific survey of garden information ever offered.

A WORKING GARDEN LIBRARY. The Horticultural Society of New York is taking great pride in the development of its library. Here in mid-town it has assembled a splendid collection of books on all phases of horticulture, and which is constantly in demand from students and research gardeners.



John Kaiser

The Snowy Banners Of The Trillium

A Gardener Is Known By The Flower Company He Tries To Keep

Richardson Wright



J. Horace McFarland Co.

Wonderful development has been made recently in the Oriental Poppies. There are the fringed kinds, such as King George, and the old rose types such as Dehcata. For a deep dark red, choose Lula A. Neeley. Trilby is a dark, rich red. The illustration shows the familiar Princess Victoria Louise, which is salmon shading to blush rose

CONSTANTLY in his writings the late Ernest H. Wilson applied the word "aristocrat" to certain trees and shrubs. In doing so, he gave us a new standard by which to judge them. Into this classification he placed many new kinds, just now being made available, and, surveying his various writings, we find that countless of the old familiar kinds he accepted also as of the aristocracy.

Something of this same strict classification is required for perennials. Mere newness of a variety does not necessarily warrant its election to this Social Register of Plantdom. In fact, discerning gardeners apply many points of judgment to both the new and the old—color, form, individual beauty and display value in the garden being among them. Of recent years two other desirable qualities are being stressed—daintiness and fragrance. Let us consider these points.

The fault in many a garden arrangement lies not in the plants themselves but in misplacing them, and their inherent beauty is lost. Many an Iris, beautiful in the hand, lacks the penetrating value of color even when massed in the garden, consequently its garden use is limited to front-of-the-border positions where its delicate beauty may be appreciated. We do not expect it ever to make a crashing effect.

The word "form" brings up a whole gamut of points—habit of growth, shape of foliage, kind of flowering, height and general health. There is the bushy growth of the Lupine and the fountain-sprays of Siberian Iris, the low sprawling of Candytuft, the airy grace of Columbines, the spires of Delphiniums, Foxgloves and Verbascums. Each of these has its own characteristic leafage, each its own way of flowering, its height, and some are easier to maintain in health than others. These are points always to be kept in mind.

In the flowering especially, those who know garden aristocrats when they see them are more and more demanding daintiness of form and, where possible, fragrance.

This trend of taste can be marked in the new appreciation of single as against double flowers. The single Hollyhock is often vastly preferable to the double. The single Rose is fast winning a deserved support. The light grace of *Delphinium belladonna* can well challenge the tight poles of Delphinium stalks that, in recent years, have been so popular. Compared with the Japanese and single types, how vulgar can some of our great bomb Peonies become! The world of alpines offers a great diversity of daintiness. Perhaps the growing interest in them has awakened some of this desire for lightness and grace of form.

Fragrance would seem almost a necessary quality—and yet we have come to the pass where often we have to demand it. Loss of fragrance is one of the fates that dog the footsteps of the hybridist. Can we call a Rose perfect if it lacks perfume? Does a longer stem and a larger flower make the Sweet Pea more valuable if, in the process of acquiring these, it has lost its fragrance? True, some flowers never could boast fragrance, and it is folly to expect it of them, but certainly we should require it of those that were fragrant by nature.

The really great aristocracy of the world is characterized by a simplicity of manner and a gracious presence. So are the aristocrats among the perennials.

However, like aristocrats even, some plant families have their ups and downs, some their crowded hour of popularity, some their period of neglect. In this country we may fail to accept a plant family because of the difficulty in obtaining the plants (an orphan that might well be left on the door-step of the Federal Horticultural Board which has so ardently fathered plant quarantines),







(Above) Scabiosa—S. caucasica—is available in a good white. Another type shades through from light to deep blue, another in violet blue and variously-named strains have combinations of these tints. Scabiosa is one of the best cutting flowers in the border

(Top, left) There is about the Japanese and single Peonies the delicate, feathery beauty of a bird's wing, and the great gold heart of many of them is worn like a jewel. Mrs. Edward Harding, whose selection is printed elsewhere, considers that Ama-na-sode is still the best pink Jap and Isami-jishi still the unsurpassed white. The illustration shows Mikado, which is crimson with a heart of gold

(Left) Because of the red in them, we may need an acquired taste to enjoy Gaillardias. They have been subjected to successful hybridizing of late. Portola hybrids produce bronzy-red flowers with gold tipped petals. There are also a tangerine, self-colored kind and one almost as pale as sulphur. Copper crimson centers and orange margins characterize others



Because they are common to our New England roadsides and meadows we have neglected the garden value of Michaelmas-daisies. England, however, has hybridized them and often gives over whole borders to their fine autumn beauty. They require plenty of room and an abundance of food and should be very carefully staked

or it may be due to limited knowledge about those plants or difficulty in growing them due to our limited knowledge. Consider some of these great groups.

There are vast quantities of Primulas about which we have to learn a great deal before they can be grown here successfully; nevertheless persistent amateurs and commercial growers are advancing in their experiments. The Hellebore tribe, with its many hybrids, deserves support and wider distribution. We are fast learning the delicate beauty of *Alyssum saxatile citrinum*—a softer tone than the old yellow *Compactum*. The Fall Anemones or Japanese Windflowers, once grown, will thereafter be part of the garden family, although some gardeners find them reluctant growers. The Astilbes are now offered in a range of delicate tints well worth considering. Nor should we overlook the silvery effects of the ancient *Artemisia lactiflora*.

When one comes to the Bellflowers the choice is difficult to make, but one can rarely go wrong on some of the Telham hybrids. Of late I have been deeply impressed by that tall Snakeroot, *Cimicifuga racemosa* Simplex. The shrubby Clematis *Davidiana* especially—offers a sturdy type of growth and its tiny Hyacinth-like flowers have a penetrating scent. Even our best amateurs have still to plunge into that deep pool of experiment and beauty offered by the Eremurus family. By this time Gypsophila Bristol Fairy has gained the beginning of the popular distribution it deserves much more lies ahead. We can also show discernment by growing some of the newer Hemerocallis hybrids.

Amateurs might well start a revival of interest in the hardy grasses. These great green fountains have too long lain under the interdict of association with institutional planting: thoughts of Pampas Grass bring with them thoughts of prisons, hospitals and homes for the aged, yet these grasses have both delicate and noble beauty and many of them can be well used for the enrichment of herbaceous borders.

To select the best Tall-Bearded Iris today is a bewildering course. Stiffer and stiffer become the judging standards of the American Iris Society, and meantime the market is awash with new offerings. Certainly the price of the new kinds is no indication of their merit. We can follow the rating given by the Society, tempered, of course, by our own observations of the Iris grown at nurseries and other gardens. My present Iris interest is veering toward the smaller and earlier types—*Cristata* and the Pumila hybrids, with a longing eye cast at some of the Regio and Oncocyclus hybrids, accompanied by an unwavering devotion to the Siberians. Japanese Iris I am raising this year in large pots, which is a custom of the Japanese exhibitors.

While almost anyone can succeed with the ordinary blue, white or pink herbaceous Lupines, the seed catalogs here and abroad are now offering an annoying array of tawny colors and interesting combinations that seem to resent our usual ways. Some of our experts say that these Lupines should be starved and some suggest treating them as





biennials and stuffing them with stimulants like a Strassburg goose being fattened.

Among tall Phloxes there are a few new kinds worth trying, although one feels that, somehow, the advancement is not deeply marked. Perhaps what we need are not newer Phloxes but Phloxes better grown—free of red spider and mildew.

Three more kinds, and then this cataloging must stop. Thalictrum, Trollius and the Torch Lilies or Tritomas. Few flowers offer such a light touch of leafage and bloom to the border as can the Meadowrues, and they are easily grown in the normal border soil. Globe Flowers or Trollius can make the front of the border unforgettable, if well grown. Besides, they are as lovely and lasting in the vase. Of the Tribe of Tritoma there is sealed almost the Biblical ten thousand, yet how few of them we grow here in American gardens! They are as easy to grow from seed as Onions. In hardy climates they require deep winter protection or removal to a frost-proof cellar—no more trouble than Dahlias—and their range of colors in the sulphurs, yellows, oranges and reds, their variations of height and their seasons of blooming certainly well repay this little trouble.

But why, the beginning gardener may protest, all this palaver about aristocracy? Aren't all flowers beautiful? Undoubtedly more or less. So are all homes homes and cars cars. The person really interested in gardening, however, wants his or her place to be more than the average. Just as you can judge a woman by the linen on her table and a man by the motor he drives, so you can judge a gardener by the flowers he grows. You need not even see the flowers in bloom—you need only walk around the place and read the plant labels—and you will soon know if that gardener is among the aristocracy. If he is satisfied with the common old roadside Hemerocallis you set him down as that kind of gardener, but if his label reads "Hemerocallis Sir Michael Foster" or "H. Ophir," you know he "belongs." A gardener is known by the flower company he tries to keep.

In order to obtain a wide selection of these desirable perennials I have asked a number of specialists to make a choice of their favorites, irrespective of price or popular acclaim. They are as follows:

ASTILBES

Selected by J. J. Grullemans of The Wayside Gardens Company

Deutchland—pure white.

Morve—because of its unusual shading of crimson with a decided salmon cast. These first two are dwarfs.

Gruno—salmon pink.
Prof. V. D. Weiler.
Salland.
All Astilbes will thrive if given a loose, loamy sweet soil and plenty of moisture.

CHRYSANTHEMUMS

Selected by Charles H. Totty

BRONZE—*A. Barham, Firelight, Bronze Buckingham, Ida Skiff, Adelaide.* Of these *Bronze Buckingham* and *Ida Skiff* are singles, *Adelaide* is one of the improved Pompons and *Barham* and *Firelight* light and dark bronze in the early flowering types and the flowers are large.

PINK—*Jeanne S. Adams, Lillian Doty, Mrs. H. Ballagh, Mrs. J. W. Martin* and *Mrs. Buckingham.* The last, an Anemone type, is orchid pink and cast iron in hardiness. *Mrs. J. W. Martin* is a novel shade of crushed strawberry.

YELLOW—*Vera Victoria, Godfrey's Triumph, Yellow Doty, Alice Howell, Gretchen Piper.*

DAYLILIES

Selected by Franklin B. Mead

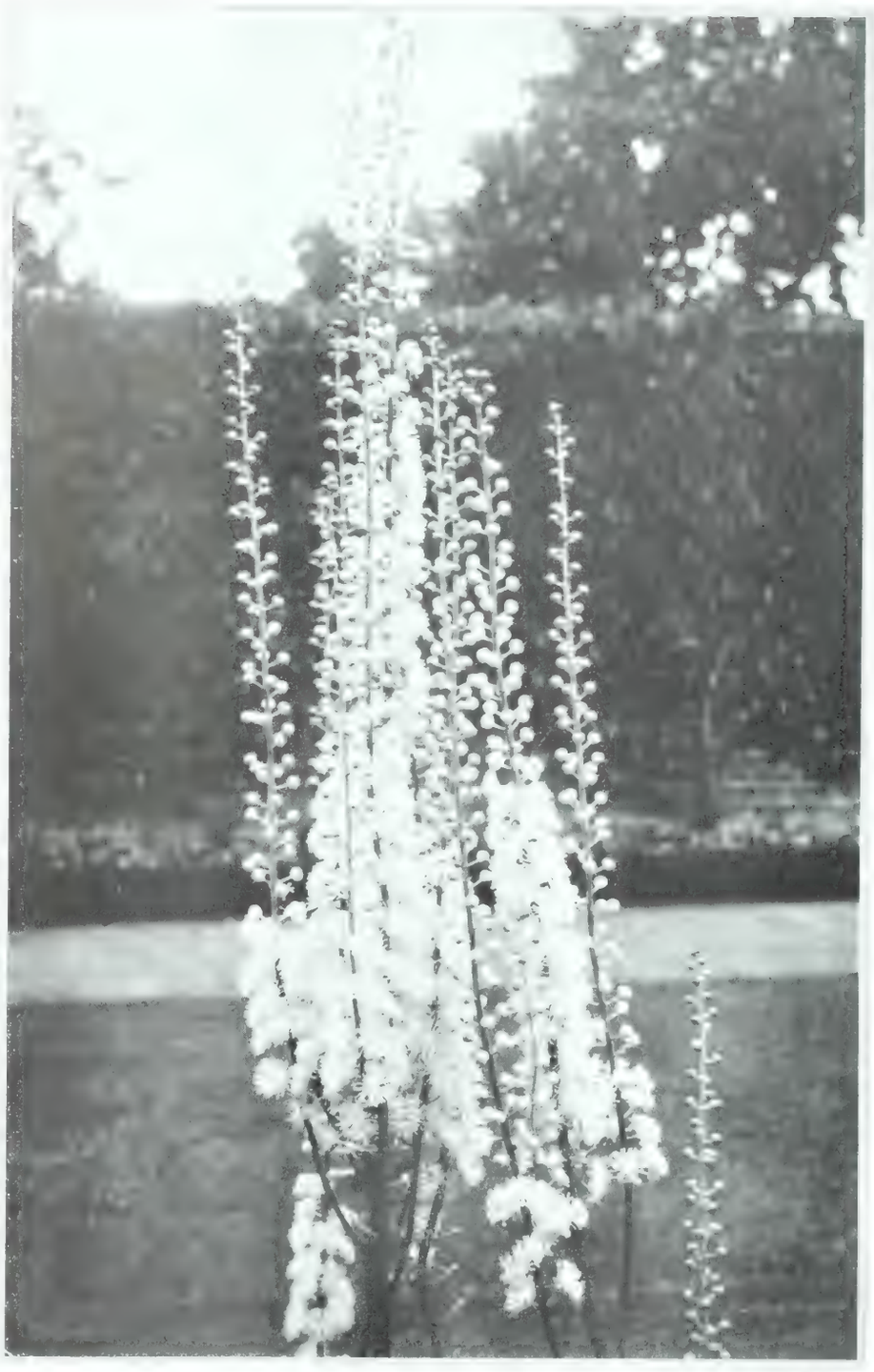
Radiant, Flava, Middendorffi, Hyperion, Royal. All of these have fragrance. Interesting work in hybridizing Daylilies is being done in America by Mr. Mead, Dr. Stout of the Bronx Botanical Garden and C. Betscher.

ORIENTAL POPPIES

Selected by Roy V. Ashley

E. A. Bowles, an early apricot shading to shell pink and prettily crimped.
Mrs. John Hawkins, described as the best pink.
Lula A. Neeley—deep, dark red.
Trilby—rich red, plaited petals.
Wurtembergia. These last three are deep rich reds.
Prince of Wales—salmon pink.
Silver King—a white Poppy of dainty habit.
Beauty of Livermere—deep, ox-blood, velvety red.
Mandarin—large Chinese red blooms.
Orange Beauty—orange shaded scarlet with purple blotches.
Pygmaea—a dainty, curious and interesting dwarf orange form.
Henri Cayeux—orchid fading to dull lavender, an ashes of roses effect.
Delicata—old rose pink of silky texture.
Negrillon—vivid carmine.

(Continued on page 140)



J. E. T.

(Opposite, top) The tawny colors of the new hybrid Lupines justify any trouble we may take in bringing them through the seedling stage. As border companions for Iris they are superb.

(Opposite) We generally associate Verbascum with dry, rocky soil and since they are waifing with us, promptly neglect them. The English, however, hybridized them into flowers of genuine beauty. Miss Willmott, pictured here, is white and grows to six feet. Phoeniceum rises to only two feet but its colors include white, pink, blue, mauve and purple. Olympicum, another six-footer, has silvery leaves and yellow flowers.

(Above) Though usually relegated to the wild garden, the tall Snakeroot, Cimicifuga racemosa, makes an excellent addition to the back of the border. The variety Simplex, or [illegible] needed

Gardening Golf—Or Dramatizing The Pursuit Of Flowers

THE year 1930 will no doubt enter the records as the "Year of the Great Epidemic"—of miniature golf courses. We find them, under one name or another, on every vacant lot and corner, and they are even overflowing onto private grounds; many a lawn has become a tiny golf course. Since the American public seems so constituted that it must make a contest of its recreation, we beg leave to suggest a partial conversion of the area devoted to gardens, and nominate for that location, the game of garden golf.

Gardening means many things to many people; its cultural, decorative and useful appeals are fairly obvious to everyone, but its use as a game, fundamentally similar to golf, may have lacked in emphasis. The appeal of golf has many ramifications. It is difficult to excel in golf. So is gardening. Each time one tees off on the first hole, it is with the inward hope that the round is to be the best thus far. Each spring, the gardener hopes for the same result. As we proceed around the course, we are alternately thrilled and disappointed; our patience is tried; we are aggravated to the point that it is a temptation to throw the clubs into the water hole.

ONLY a gardener knows how true all this is of his attempts to bring certain plants to fruition. Golf takes unremitting attention and practice, and no inconsiderable physical effort, as also does gardening; while the pleasant satisfaction of the locker room after the shower is matched by a stroll through your garden in twilight. In golf, your opponent is supposed to be par, and par, for a given course, remains the same from day to day or year to year. In garden golf you are battling erratic Nature, uncertain weather, pestiferous insects and villainous fungi.

The rules of garden golf are not unlike golf rules. You may have the necessary instruction from your professional, or friends, you may even have the services of a caddy, in the person of a by-the-day man, but you must make your own shots, which in this case consist of successfully growing to normal development, perfectly healthy examples of the plants herewith chosen.

This course is laid out for the vicinity of Chicago. Since climate is an important factor, certain of these holes should be redesigned for locations with widely differing climates, but for one in the Central West, New York or New England to negotiate par on this course will not be easy. And since it is customary to design golf courses to try the mettle of the experienced golfer, so have we designed this course. The beginner must expect to play in the rough until, with perseverance, success is obtained.

HOLE Number One. A good golf architect ought to design his first hole at least, so that a respectable shot may be had off the tee. With this in mind we have chosen for the first hole, the Rose. Par on this hole is a bed of choice Hybrid Tea Roses, some with Pernetiana blood, healthy and blooming in the late summer the third year after planting. A dub may succeed with these by treating them as annuals, but watch out for that bunker "black spot", and beware of winter killing.

Hole Number Two. The Primrose path sounds easy, but usually it looks easy and is really hard. If you must have an easy hole for the Primula, try *Primula sikkimensis*, or *P. florindae*. But for par on this hole you must essay *P. secundiflora*. *P. allionii* will yield a birdie, and *P. glutinosa*—well, an eagle is too much to expect.

Hole Number Three. Not too hard, but must be well played, and, incidentally, needs some expensive equipment. A well grown clump of Eremuri, in this vicinity, is as rare as it is impressive. With *himalaicus* or *robustus* you may start, but the hybrids are needed for a par, and *E. bungei*, *E. Shelford* and, for a birdie, *E. wareii*, go on our schedule.

Hole Number Four. The Lily seems to symbolize peace, but there is little peace of mind in playing this hole well. Remember our basis: we must have the plant established and healthy. With *L. regale*, *L. speciosum* and others the game is rather simple. Our par is at least *L. [illegible]*, or *L. [illegible]*. For a birdie, take a whirl at *L. [illegible]*, and for a glorious eagle, establish a clump of *L. giganteum*.

Hole Number Five. Each course has at least one short, fairly easy, but sometimes tricky hole. Ours is the Azalea. Players around Chicago will find this hole harder than those elsewhere, but careful playing will give par, which is a mixed planting of hybrid Rhododendrons and *[illegible]*.

OUR remaining holes take us definitely into the rock garden. An 18-hole course of endless variation could be laid out among the rocks, but having limited ourselves to nine holes, we have selected the following:

Hole Number Six—Saxifraga. The thousands of members of this genus give fruitful opportunity for choice. One may choose the "mossy" path, which is fairly easy, though a fine spread of *S. moschata rhei* is not to be belittled. The "silver" path is slightly harder than the "mossy", as you might expect, but for par on this hole, the *kabschias*, and nothing less than a few square feet of *S. burseriana magna*, will do. If success with this makes your head slightly enlarged, try *S. [illegible]* and with success, buy a new hat.

Hole Number Seven. There is a soft melodious sound to the very word Gentiana that may promise a false security—beware! *Gentiana farreri* will try your temper a-plenty, though rewarding success with a fierce blue beauty such as can be found nowhere else. *G. verna*, though, for a par score on this hole.

HOLE Number Eight. Androsace offers only slightly less variety of choice than the Saxifrages, and makes up for that with a more variable temper. Any member of the *chamaejasme* or *charpenteri* section of this genus will give a good game, but when ready for a real show of mettle, pick *aretia*, and prepare for the worst.

Hole Number Nine. Any garden's list of Nine Peace-Perturbing-Plants would be incomplete without the inclusion of the King of The Alps, *Eritrichium nanum*, the alpine Forget-me-not. And a bout with him you will not forget. There may be places in this country where the King may be flowered in the open ground; I am still uncertain whether Chicago is one of them, and if that is a confession of my own golf score, make the most of it. But like every true golfer, let each failure be but a goad to further effort, for in each one of us lingers the conviction that it may be possible, someday, somehow, to make a hole in one.

—WALTER A. SHERIFFS



R. M. Luster

A Georgian Bay In High Relief

Against a broad expanse of pale colored wall, the sharp definition of this dark toned bay creates a study in contrast. It is one of two bay windows of identical design upon a Georgian house at River Oaks, Houston, Texas. John F. Staub, architect; B. P. Bryson, associate. Other views on pages 63, 64 and 65



Revamping The Hardy Border Brings Its Own Reward

Louise Beebe Wilder

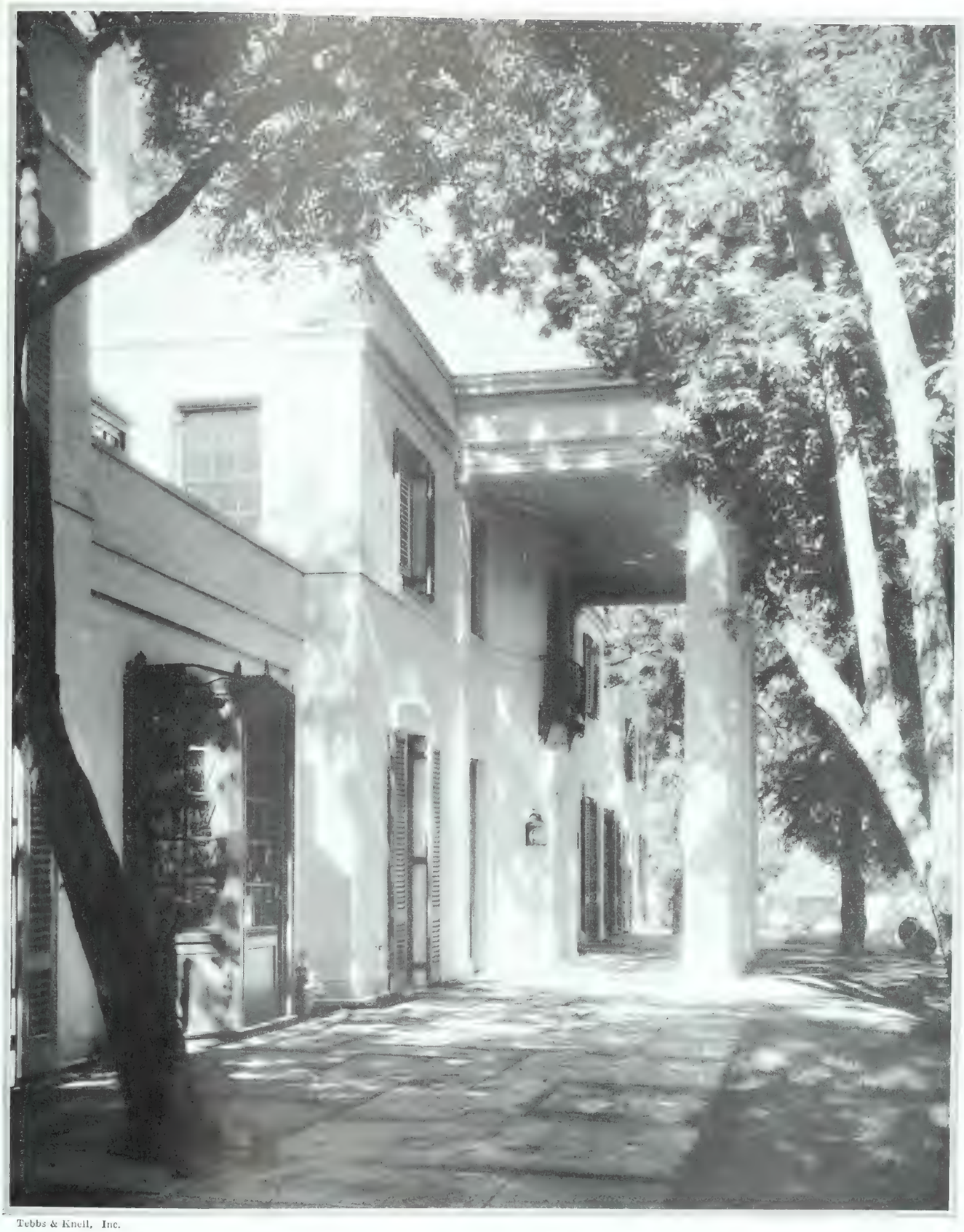
PERIODICALLY the strip of ground variously from four to twelve feet in width and from ten to several hundred in length, planted with a mixture of perennials, annuals, bulbs, and often shrubs, that has come to be known as a hardy border, requires to be thoroughly turned out and renovated. This operation for the best results should take place every third year. If we let it go much longer we have a solid state of things to face—a forest of woody stems and matted clumps, the best things overcome and vanquished, the coarse things in possession, the balance of power, so to speak, completely unsettled. Most of the plants will by this time be crying out for division, replacements will need to be made, unsatisfactory effects remedied, the ground re-enriched. It is not an easy thing to do, this making over of an old settled border, but it simply has to be faced once in so often if appearances are to be kept up at all.

Although it may be done with success in the autumn, all things considered, the best time to choose in this climate is early spring—as early as the ground may be easily worked. In the spring the plants are full of vigor and eager to begin growth anew; every smallest division at this season takes hold and goes to work with a will to accomplish a worthy showing; certainly the spring is the best time to move all summer- and autumn-blooming perennials. Where there are colonies of bulbs among the perennials the situation is somewhat complicated, the best plan is to leave them in place until the foliage is ripened, carrying on the work while disturbing them as little as possible and replanting them later in the season if their rearrangement is called for. Madonna Lilies are best moved in August and should be replanted preferably in a fresh locality. If there are shrubs in the border they will probably require only to be thinned out and to have the soil about them dug and enriched.

Where the border is very extensive and labor none too plentiful, it is advisable to attempt only half of it, or even less, at a time. A section may be chosen for renovation each season, but that section should be done thoroughly. The work should be carried on as quickly and expeditiously as possible so that the plants will not be out of the ground longer than is absolutely necessary. The most thorough way is to take all the plants out of the portion of the border that is to be overhauled, label them and cover them with canvas or burlap to keep the wind and sun from drying out the roots. Then attack the empty expanse with a spade, turning out the soil section by section to a depth of at least eighteen inches—twenty-four would be better—and adding a heavy dressing of cow or horse manure. If the soil is light and warm cow manure is the best to use and it should be worked down deeply where it will help to maintain cool rooting conditions for the plants; if inclined to be heavy, rather strawy stable manure will give it a better texture and a little sharp sand may be added. Any manure used at this season must be well rotted. In the autumn fresher stuff may be employed with safety. Many good gardeners employ a peat moss and bone meal mixture in place of manure.

A majority of plants are decidedly the better for division every three years. Of these are such border favorites as Phlox, Pyrethrums, Michaelmas-Daisies, Heleniums, tall Achilleas, hardy Salvias, Helianthus, Delphiniums, *Campanula lactiflora*, Heucheras, Shasta Daisies, Japanese Irises and so on. Peonies, Japanese Anemones, Fraxinella, Platycodon, Funkias, Christmas Roses, Hemerocallis, Gypsophila and Trollius, on the other hand, if they are thriving, may be left to themselves for a longer time. Chrysanthemums are best divided every year. Columbines divide poorly and it is best to raise them frequently from seed, thus maintaining a youthful stock to draw from. They are not long lived. Nor is it worth while to divide Hollyhocks save to preserve some exceptionally fine variety. They are easily raised from

(Continued on page 124)



Tebbs & Knell, Inc.

The calm serenity and almost severe simplicity of the Georgian mode make this house a perfect foil for the heavily wooded estate which is its setting. This classic portico and terrace face upon the gardens and toward the bayou. A residence at River Oaks, Houston, Texas. John F. Staub, architect; B. P. Briscoe, associate

"Bayou Bend" — A Georgian Residence In Texas



Designed After The Nineteenth Century Houses Of Louisiana

At Bayou Bend, front and rear elevations vie in interest. The garden face, shown on the preceding page, is no less distinguished than the entrance façade presented at the left. In color, ironwork and Greek ornament, the house follows after the fashion of 19th Century Louisiana. Walls are pale peach stucco accented by copper-brown blinds and sash

The central entrance hall leads directly through the house to the rear terrace. Into its curved end is fitted a winding stair to the second floor. At the right is the living room and to the left the dining room. The left hand wing is devoted to service. The balancing portion at the right is the bachelor's wing. John F. Staub, architect; B. P. Briscoe, associate







Paneled walls and bookshelves in the library are of pine. Furniture is Early American. Side windows of the bay have glass shelves built across to hold a collection of Early American glass. The center window opens out to give access to the terrace



Teller & Knoll, Inc.

To the left is the tap room, designed to hold the owner's collection of Americana. Ceiling beams, lighting fixtures and furnishings are antique. This room is at the end of the bachelor's wing, just beyond a small kitchen and a stair to the second floor

Dining room woodwork is painted dark ivory glazed with opaque white to give the effect of rice glaze employed by Oriental artists. Above the chair rail, walls have a painted design of flowers in Oriental character upon a gold background



A Review Of Water Supply Systems For The Country Home

Elizabeth Hallam Bohn

BATHS upstairs, downstairs; running water for the garage and the garden; the swimming pool; the wall fountain—few realize how many gallons of water flow under the mill of the gods of comfort.

Favored are they who can tap a living spring high on a hill and run water into the house by gravity. But the great majority of homes must look to the depths of the earth for water via the deep or shallow well. So to meet the need for a dependable home supply, on which so much of the joy of country living depends, modern engineering has developed for our use highly efficient pumping and storage systems to raise the water and hold it against our needs.

DEEP-DRILLED WELL

The so-called "Artesian" well taps the water flowing far below the earth's surface, the powerful bit of the well driller boring down seventy-five, a hundred, three hundred, even eight hundred feet before the supply is found. Fame will indeed crown the seer who will some day develop an unerring instinct for finding the spot which will yield water at a reasonable depth—under one hundred feet. For drilling a well costs somewhere between four and a half and eight dollars for every foot the drill goes down. At the present time, the only safeguard against too high expense is to select a driller of known reputation for fair dealing, who will not go deeper than is necessary to secure an adequate flow. Architects who have built homes in the neighborhood often know who can best do the work. The performance and past record of one who is more casually selected can always be checked up by getting in touch with his references.

Usually the man who sinks the well does not install the system which is to raise the water. He secures the flow and insures it against the admixture of surface water by sinking a casing down to bed-rock and making this protecting pipe water-tight with concrete. He tests for the water yield per minute, giving, in his report, the depth of the testing pump in the well shaft. This work done, he moves out of the picture.

More detailed information about any of the water supply systems mentioned in this article, and the names and addresses of their manufacturers will be promptly furnished upon request to House & Garden's Reader Service, 420 Lexington Ave., New York City.

Until the water is actually secured and measured, it is not possible to select the water system to be used in the Artesian well. There are two general types—the deep well pump and the shallow well pump. When released by the drill, the water in the well immediately seeks and holds the level of its origin, perhaps thousands of miles away. It may bubble up right to the surface so that the shallow well pump with its simpler machinery can be employed. Or it may lurk deep down at some point below the 22 foot level, which is the satisfaction limit for this type of equipment. In the latter case, the more costly deep well pump will have to be installed, with its cylinder down deep in the water and its pump directly over the well shaft. The deeper the cylinder must be set, the more power will be needed to operate it.

SURFACE WELL

The "surface well" employs an entirely different principle from the Artesian or deep-drilled well. For the former draws on the water contained in the soil above the rock foundation of the earth. In sandy land near the sea, or where expense is a factor that must be given great consideration, the shallow driven well can give real satisfaction, provided the water is frequently tested by a skilled bacteriologist for the dangerous colon bacillus, which only too often renders surface water unfit for drinking.

In making a shallow well, the "water sand" is tapped by sinking a casing. A smaller pipe is lowered into this. At the lower end of the inner pipe is a ten foot strainer, coarse for a gravelly soil, fine for a sandy one. Now the larger outside pipe is drawn up until the full length of the strainer can function. The shallow well pump will be used here, as it is when the brook is put to work or a spring becomes the water source. This type of pumping system will operate with satisfaction wherever the water is within approximately 22 feet, straight down, of the surface. Unlike the deep well pump, which must be set directly over the well, the shallow well equipment can be set in the cellar of the house, or wherever desired, although the storage tank should be set as near the pump as possible to eliminate friction losses in power.

SELECTION FEATURES

Many companies manufacture both the deep and shallow types of pumping equipment, employing electricity or gasoline as power medium. By selecting a well established company of unquestioned integrity the equipment is not likely to be orphaned while there may still be need of replacements. For even a deep well pump, with the wear it receives, should give at least fifteen years of service, with proper care.

The experts of the company selected will advise on the size and type of equipment best suited to individual requirements. They can also be consulted after the pump is installed, should any additional points need explanation. These specialists strongly suggest that the pump be of sufficient capacity to handle future demands upon it. Where the demand for water is intermittent and for short periods, it is more economical to put in a relatively small pump with tank large enough to supply these short period demands. The peak requirements are estimated and tank and pump are selected whose combined capicity will meet these demands. If there are no peak demands on the system, it is customary to estimate the total daily requirements and then select a pump with a capacity in gallons per hour equal to one-half and a tank with a total capacity of one-half the estimated daily requirements. For the gasoline driven outfit, the same size pump should be used but the tank should have a total capacity equal to two times the total daily requirements.

(Continued on page 116)



Drix Duryea

A hallway that is merely intended to be passed through should not be encumbered with unnecessary furniture. A console, table or commode of distinguished lines, with a mirror above, and a chair or ornamental bench are sufficient for this space. Decorative interest can be supplied by unusual handling of walls and floor. Such was the method followed in the entrance hall pictured on this page, where the only furniture is an 18th Century mahogany commode and Sheraton bench covered in orange velvet. Pale gray walls, with doors in two tones of gray picked out in white, make a serene background for these pieces and two beige pedestals holding old blue and white Wedgwood urns. Here the ornamental floor is terra cotta terrazzo with an inlaid star and border of beige marble. A. M. Dick is the owner. Fuller & Dick were the architects



Five Inviting Entrances From Houses In The East South And Middle West





& Knell, Inc.

(Above) A hallway in the William Ogden Coleman house, Indian Hill, Ill. owes its inviting effect to several elements—semi-free-standing stairs, gray architectural paper, flooring of wide oak planks and a gay hooked stair carpet. Russell Walcott, architect. Earl Hart Miller, decorator (Left) Yellow and henna paper brings color and design to the hall of the N. V. Stockton residence, Winston-Salem, N. C. Sofa is black and gold, rugs, copper. Charles Barton Keen, architect; W. E. Browne Co., decorators

(Opposite page, top) This hallway in Mrs. Vincent Astor's New York house has walls painted by Allyn Cox to simulate architecture and sculpture. Architectural details are gray, statues green, walls pale yellow. Mott B. Schmidt, architect. Walls in the dramatic entrance opposite are grayish mauve; doors and pilasters lacquer red picked out in gold. White and purple marble floor. The New York home of Walter E. Sachs. William McK. Bowman, architect. Gertrude Newell, decorators

Showing The Value Of Decorative Walls In The Entrance Hall



G. W. Harting





The small powder room is a delightful space to decorate as all manner of frivolous effects are permissible. Since the furniture is usually limited to a dressing table and chairs, the background must supply decorative interest. Gray dotted paper, with drapery frieze in plum, blue and pink, forms the background in the dressing room at the left. The table is hung in pink silk with a plaid design of fine red lines, trimmed with blue taffeta ruffles. The chair seats are plum and white chintz. The home of Mrs. Carroll B. Alker, Brookville, L. I. Thedlow, decorators

When the space is too small for a dressing table of average size, a wall bracket of the type shown in the tiny dressing room below is an excellent solution. This carved and gilded shelf, designed in the Chinese taste, is just large enough to hold toilet accessories. In keeping is the mirror above, ornamented with Chinese painted decoration. The walls of this room are covered in glazed chintz with a green ground and floral design picked out in rose, green and dull gold. In the New York residence of Augustine L. Humes. Decorated by the Arden Studios



Richard Averill Smith

Powder Rooms That Suggest Ideas For Dressing Table And Wall Treatments



Dorix Duryea





J. W. Harting

(Upper left) Paper with gray-blue ground and small clusters of gold fruit makes charming walls for a small dressing room in the home of Mrs. Pomeroy Francis, Morristown, N. J. The taffeta-lined dressing table is a deeper blue than the walls. It is trimmed with an applied scallop of gold colored taffeta. The long Directoire bench at the side is covered in peach and yellow silk. Mrs. Kenneth Torrance, decorator

Contrasting trimming is again used on the dressing table in the room above, in the New York apartment of Mrs. Henry Walker Bagley. Soft, medium blue taffeta is ornamented with flame taffeta appliquéd to form a flower pattern. The wall paper of a modern design has a biscuit ground and pattern of flame and dull gold, and the wood trim matches the background of the paper. Dark blue rug. Gertrude Smith, decorator

(Left) To tone in with the chalky blue background of the wall paper, a deeper blue taffeta was selected for the dressing table drapery. The ruffle and lower edge are trimmed with inch wide bands in henna, blue-green and yellow—the colors of the strawberry pattern of the paper. Lamp shades of yellow book linen are mocked at the top



18th Century American furniture has the advantage of distinguished backgrounds in Mrs. Charles Minshall's New York apartment. In the living room the fireplace wall is paneled; arch-headed cupboards flank a carved mantel. Woodwork is cream-white. (Right) Green and white Chinoiserie paper and maize curtains make a fine background. (Below) Sepia and gray block paper and paneled dado. Katharine Hartshorne, decorator





Flattering Settings For Early American Antiques



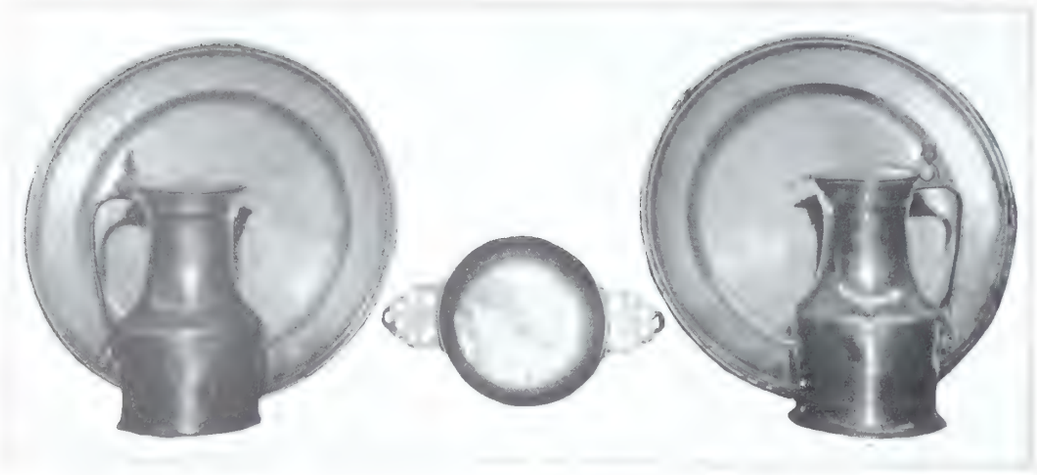
Richard Averill Smith

Furniture Of The Federal Era In A Decorator's Home





Decorative scenic paper and a subtle color scheme complement the antique American mahogany in the dining room above. Dado and ceiling are blue, with hangings of mauve taffeta bound in blue over horizon blue gauze; the rug is eggplant. Living room walls are pinkish mauve glazed with blue. Curtains here are blue-green chintz with design carried out in purplish reds; blue-green damask covers the overstuffed furniture and the rug is eggplant. The same coloring prevails in the hall which is furnished with American antiques. It is the apartment of Ethel A. Reeve



What The Collector Should Know About English And American Pewter

Mr. and Mrs. G. Glen Gould

ENGLISH and American pewter have a very natural affinity and show the same sequence of styles, America a little later than England, just as its general use here continued for perhaps ten years after china had supplanted it on English tables. But there are certain distinctions which lovers of Americana are coming to know, as the collectors already do know, and these are matters of interest to all who watch keenly for the beginnings of that independent activity which has made America what it is to-day.

There was here no "Worshipful Company of Pewterers" with a tradition reaching back for centuries, to tell a man what he could or could not do, to regulate the quality of metal he used or to compel him to mark his wares. Yet so faithful to the best traditions of their forefathers were our American pewterers that they voluntarily maintained very high standards of metal quality and craftsmanship.

Tokay's Hard: English; contains no bismuth.





(Top of page) English plate-holder and flagon cup, about 1750. Pewterer's mark on back. (Above center) Mid-19th Century American pewter lamp. All photographs are by courtesy The American Art Association—Anderson Galleries, Inc.

American: 1750-1850, in general use; made in 28 cities. Keen English competition; existing pieces, about 100 to 1 American. Little pewter marked before 1750; eagle used after Revolution, especially 1790-1829. Over 30 kinds of articles; styles unchanged until about 1825. Pitcher, coffee-pot and urn, tea-pot, sugar bowl, pitcher, and lamp, the latest and final accomplishment. Bowls, basins, plates—6¼ to 15 inches in diameter, porringers, mugs, tankards, flagons, beakers, goblets, spoons, ladles, candlesticks, warming-pans, cuspidors, inkwells, buttons, etc.

Armorial: Coat-of-arms frequently marked on English pewter, occasionally on American. State coat-of-arms most common.

Articles: Cooking utensils and table service in pewter cover the whole range of necessary articles, especially: basin, beaker, boar's head dish—large charger; bottle—pilgrim, or harvester; food bottle, and other types; bowl—various shapes and sizes, punch, etc.; box—candle, money, patch,

(Left) Large American 18th Century beef platter with gravy well. In the lower right hand corner is an 18th Century English flagon cup. Both the ear-handled porringer and the small jug shown in this illustration are old American pewter pieces





The group of early 18th Century pewter above includes a pair of chalices and lamps of cylindrical and bulbous types. To the left is an American beaker with slightly flaring lip and molded mid section and base. By Boardman & Hart, 1830

In such simple scrolled-work pine cupboards as the one below was American pewter displayed in the 18th and early 19th Centuries. All the pewter on its shelves was made between 1824 and '30. At the right is an American mug, circa 1780





pepper, powder-puff, pounce, sand, salt, snuff, spice, tobacco, etc.; caddy for tea; canister for herbs, etc.; carafe, caster, chocolate-pot, cistern, coaster, coffee-pot, colander, creamer—cream-pitcher, cruet—cruse, egg-cup, ewer—rose-water, etc.; fish drainer, fish slice; flask; flat-ware—knife, fork, ladle, spoon, plate, dish, etc.; funnel, grater; hollow-ware—mustard pot, pot, pitcher, etc.; hot water dish or plate, pap-boat, pitcher, platter, pot, salt-cellar; salver, tray, or waiter; sauce-boat, saucer, soup tureen; sugar bowl, and sifter; sweetmeat dish, syrup jug, taster, tea-pot, toast and water jug—really an ale-pot, vegetable dish. Miscellaneous: badge for servants, etc., ball bottle stopper; barber's bowl cut out to fit neck, bleeding bowl—also called bleeding dish, blood porringer, and cupping dish; buckle, button, candle-mold, clock, clock-face, coin, ink-stand, mace, nef—boat in silver fashion, organ-pipe, perfume sprinkler, shaving-dish, snuff-box and mull, toy.

Ashberry Metal: English; very hard alloy, about 25 per cent antimony.

Badge: English, Scotch; for servants, porters, beggars, etc.; worn on sleeve or breast. Ancient English pilgrim badges.

Bleeding bowl: English; also called bleeding dish, blood porringer, cupping dish, and barber's bowl. Small, shallow basin with pierced ear handles, resembling American porringer; used for bleeding or cupping patients.

Boar's head dish: English; large circular dish or charger; 25-28 inches in diameter; 3½ to 4½ inch rim.

Booge: Curve between rim and flat bottom of plate.

Bottle: Various sizes and uses. Pilgrim, harvest or harvester, or costrel—flattened round body with short neck. Food bottle—hexagonal and other forms, English. Snuff-bottle—small.

Bowl: English and American; various sizes and uses. Basin with ewer for washing hands. Bowls for dishwashing, mixing, serving, and eating. English—15th Century and later, small *nolles*; occasionally 13 inches in diameter. Large punch bowl and ladle, 18th Century, rarely beaten from sheet metal. Barber's bowl, rim cut to fit around neck; 17th Century examples with floral decoration—rose, tulip, thistle, etc. See Bleeding bowl.

(*Continued on page 104*)



Lowrey — Still Leicester



Seldom in small house work have so many types of surface materials been successfully combined as in the residence of A. J. Gentholts at Shaker Heights, Ohio: brick, stone, plain siding and clapboards have been used The roof is of slate

In the front entrance hall is the beginning of the stairway to the second floor. Stairs to the basement from the service hall utilize headroom provided by the other staircase. The living room is at the front of the house, with the dining room directly behind. A breakfast room separates this from the kitchen. Three bedrooms and two baths are on the upper floor

Dunn & Copper

Architects

A Pleasing Variety Of Surface Materials Merge

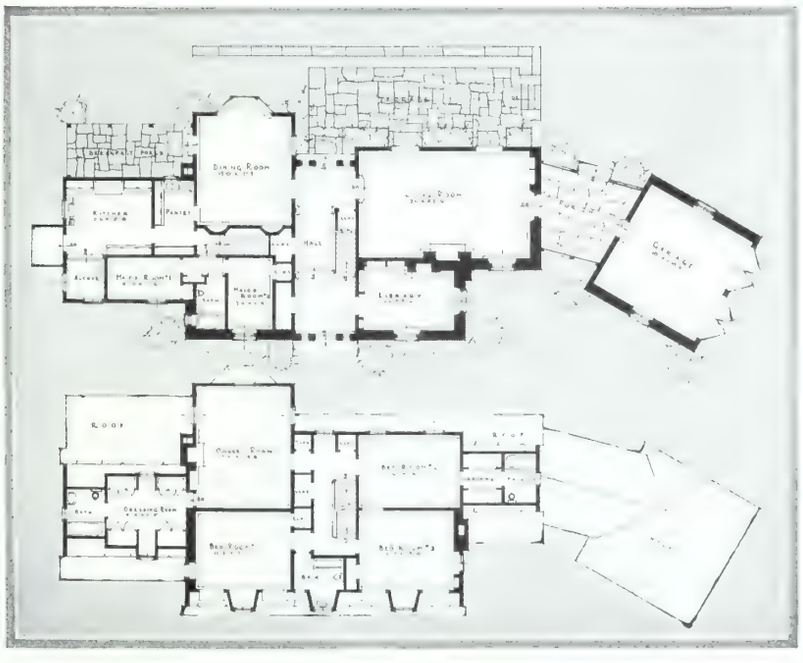


Richard Averill Smith

A Colonial Type House Presents Diverse Faces

Aymar Embury II, Architect





From its street facade, shown immediately above, the home of Mr. Philip Baird at Princeton, N. J., gives the impression of a small Colonial type dwelling lifted well above the average by excellent proportions and really superb details of cornice, doorway and dormers.

While the excellence of its architecture is certainly true, the house is considerably larger than the front face implies. Generous depth and extended wings afford the additional space. The garden elevation, at the top of the page, is handled very differently from the opposite side. Here shingles have replaced the whitewashed stone walls and the general effect is much more informal



Rickard Averill Smith



The fine detailing so noticeable on the exterior of Mrs. Bard's residence has been carried into the interior with great success. One side wall and the projecting portion of the fireplace wall in the living room above are paneled. Deep wood cornices head the other walls. A portion of the library is shown below. At the top of the opposite page is the entrance hall, looking to the rear door. This hall is house deep — connecting front and rear entrances.

The dining room faces to the rear, with its outside end projecting out beyond the main body of the house, allowing exposure on three sides to permit maximum light and ventilation. A large bay window overlooks the garden and a French door opens to a stone paved breakfast porch. Furniture in the dining room and throughout the house is mainly 18th Century English and American pieces. Ayman Embury II was the architect of this residence.

Fine Interior Architecture Produces Backgrounds Of Distinguished Character







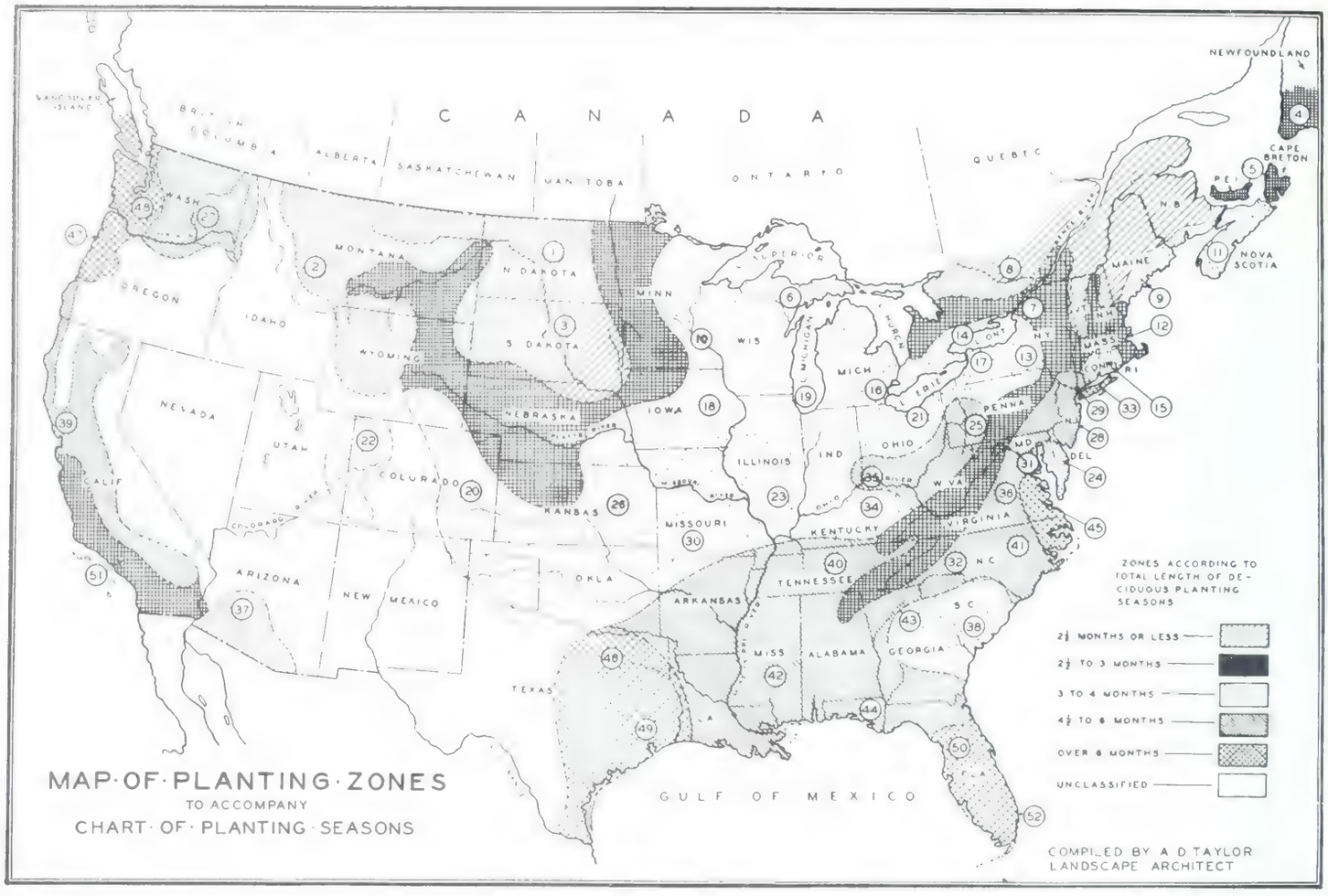
Modern metal furniture and a rainbow fountain are the furniture and decorations of this sky verandah outside a New York city apartment. On the wall side is a semi-circular fountain of fluted concrete lined with pale green tiles and embellished with red and black mosaics, laid herringbone fashion. The water ripples down over a colored glass panel which is softly illuminated at night. Surrounding the enclosure is a low wall on which is mounted an ornamental iron fence paneled in monel metal





All the furniture on this roof, as well as the fabrics, are weatherproof. Reversible cushions on the natural rattan chairs are covered with a lacquered, washable and sunfast material in brilliant red and blue, on opposite sides, welted in black. Tubular aluminum armchairs have seats in the striped canvas used for the awning—blue, red, black and tan. Concrete flower boxes inlaid with red and black mosaics contrast pleasantly with the gray-green brick walls, blue window frames and terra cotta tiled floor. (Left) Monel metal and black glass table and aluminum chairs with blue seats. Eugene Schoen was the architect

Furnishing A Sky Verandah With Wicker And Modern Metal Pieces



Planting And Seeding Seasons Throughout The United States

Albert D. Taylor

THE study of planting seasons is a most fascinating story. In our great country, covering approximately 3,600,000 square miles and measuring approximately 1,600 miles from north to south, there is a wide variety of topography, and a difference in elevations from sea level to mountain ranges averaging 14,000 feet. There is no single country in the world, with the possible exception of Russia, which enjoys such a wide variation in climatic conditions. Our plant enthusiasts may enjoy the variations in plant materials ranging from those adapted to the southernmost part of Florida in the tropical zone, to the very hardy trees and shrubs adapted to the cold climate of Montana and North Dakota in the Canadian zone. If we shall venture beyond the border and into Canada, we will find an even greater range of planting problems.

Climate with its wide variations in seasons naturally bears very directly on problems of planting which, with few exceptions, is normally done during the dormant season or during the "resting period" in plant growth. The majority of our plant materials have a period of very active growth followed by a period of ripening and this period is followed by a "rest period" known as the "dormant condition." In addition to the direct effect of climate upon planting problems, we further find that seasons for planting are affected by local conditions of soil, rainfall, snowfall, sudden local changes in temperature, conditions of exposure, relative elevations from lowland to mountain country, and proximity to large bodies of water.

The information contained in this article has been accumulated over a period of approximately ten years. During this period the author has verified and checked, through as many sources as possible, the conditions relating to lengths of planting and seeding seasons in various parts of the United States and Canada. Much credit is due to the many individuals, too numerous to mention, who have coöperated in this important work and who have given to the author the benefit of their definite experience in the localities where they have been working. In connection with each of the stations, representative of the general conditions in the surrounding territory shown on the map of planting zones, as many opinions as practical have been obtained. Where these opinions concerning the length

of the planting and seeding seasons, or the location of the dividing lines between the different sections of the map, varied to any marked degree, the author has carefully checked with the sources of information and with new sources of information to make certain that the average normal season has been selected. The information has been collected from landscape architects, park superintendents, estate superintendents, gardeners, nurserymen, experiment station workers and other people who customarily plant large quantities of ornamental plants each year.

The stations from which information has been secured were selected so as to cover, as nearly as possible, the centers of greatest activity in each of the different climatic zones shown on the accompanying map of planting zones. The primary intention is to make this information available and of real value for those places where the largest volume of ornamental planting occurs, or is likely to occur.

The value of the charts is very great as a guide to those who have given little study to average planting seasons and, especially, to those who may have occasion to solve planting problems in parts of the country other than where they have been living. The charts make a most interesting study in relative seasons as one goes from the north to the south or from ocean level to mountainous country. They show some unusual facts concerning planting seasons, as explained in the following paragraphs, and concerning which only careful study reveals the real conditions.

The data collected at many important stations throughout the United States has been plotted on the charts, in a sequence largely based upon the length of the planting seasons for *deciduous* plants. These charts show, first, how the total number of available planting days in a year is reduced very materially along the northern boundary by the long and unfavorable winter season which creates well-defined short spring and fall planting seasons, and, secondly, how the reduction in the length of the unfavorable winter season, as one follows the stations southward or toward the coasts, does not very materially increase the total number of available working days except in a few locations, *until the winter season becomes the working season.*

These charts have been prepared to cover the most important general classifications of plant materials used in landscape work, namely evergreens, deciduous hard wooded material, and lawn grasses commonly grown from seeds. Opposite each of the stations listed in these charts for the planting seasons are shown graphically the average opening and closing dates for planting in that locality, and one may assume that normal planting operations may continue at any time within those limits. The average total number of planting days in each year is also shown. This covers the actual number of days for planting operations, deductions having been made for Sundays.

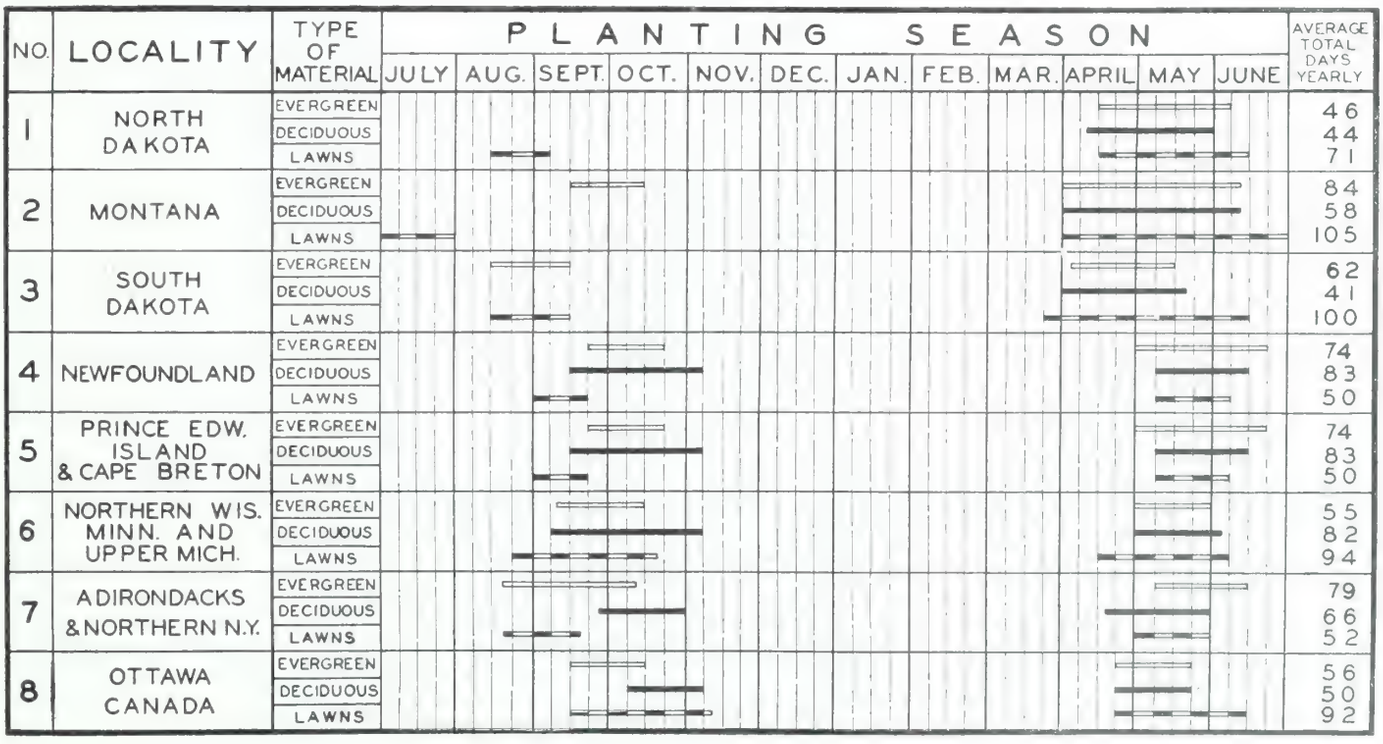
The charts on this and the following pages show graphically the planting seasons in various parts of the United States, and the number of days during which conditions are likely to be favorable. They are the result of ten years' careful investigation by one of America's foremost gardening authorities

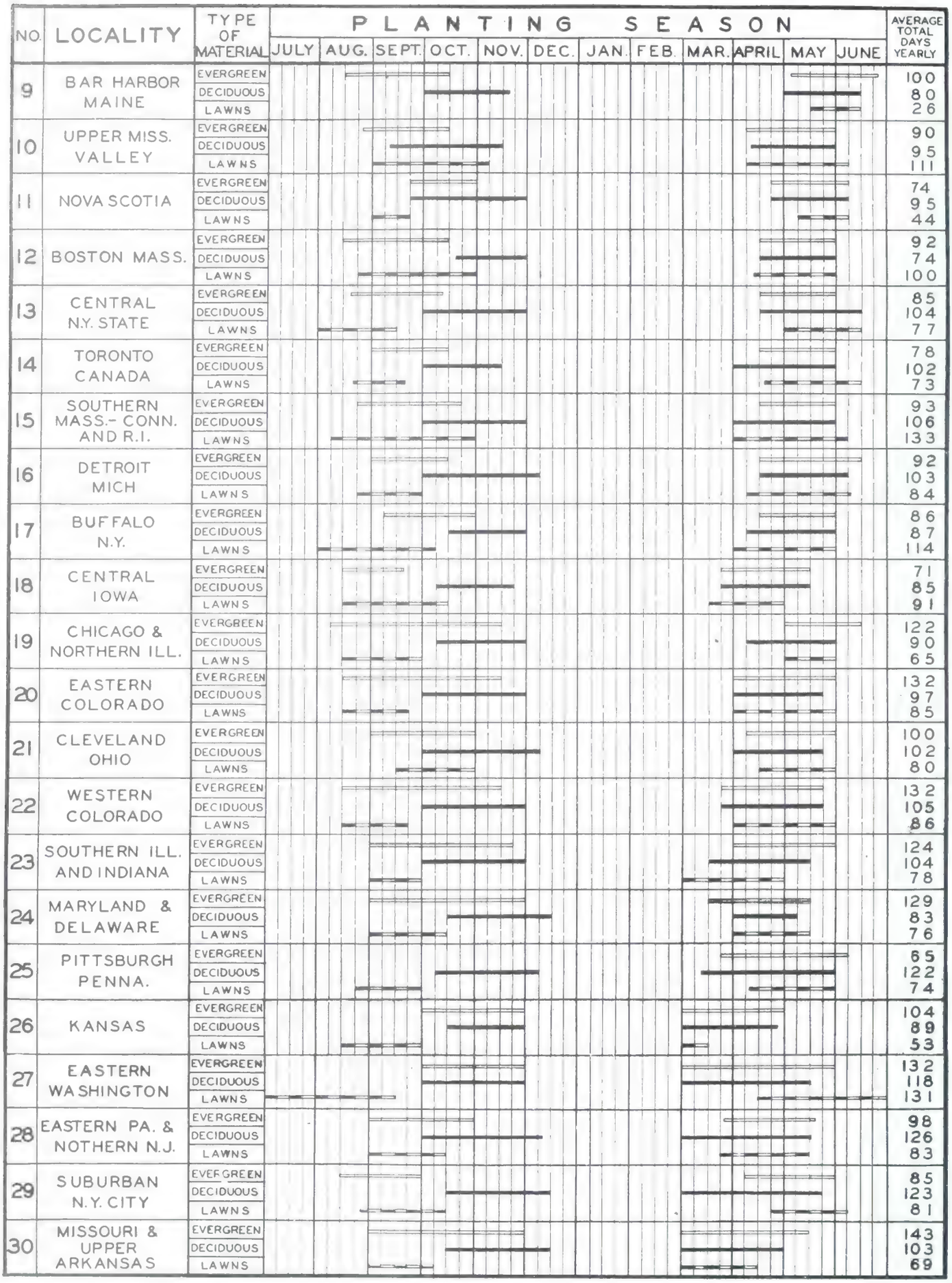
It is obviously impossible in any tabulation or chart covering the United States to give detailed consideration to the many exceptions to the normal planting and seeding seasons which are caused by small variations in altitude, conditions of soil and exposure, and methods of handling stock. Wherever important exceptions to the general ideas underlying the chart and map have occurred, the author has endeavored in this article to note some of them.

Information such as is compiled in this article is often too technical and not arranged in a way which is of practical value to the average home owner. For those who have not studied a tabulation such as is contained in the charts, the following explanation may be of assistance.

If one desires to determine the length of a planting season for deciduous plants such as Lilacs, Viburnums, etc., under Cleveland conditions (Station 21), he will note on the chart that the line indicating the average length of the spring planting season begins at approximately the end of the last week in March and ends with the close of the third week in May. Since no one can definitely determine in advance planting seasons which are so dependent upon the varying weather conditions from year to year, the length of these seasons as shown by these tabulations must be considered as

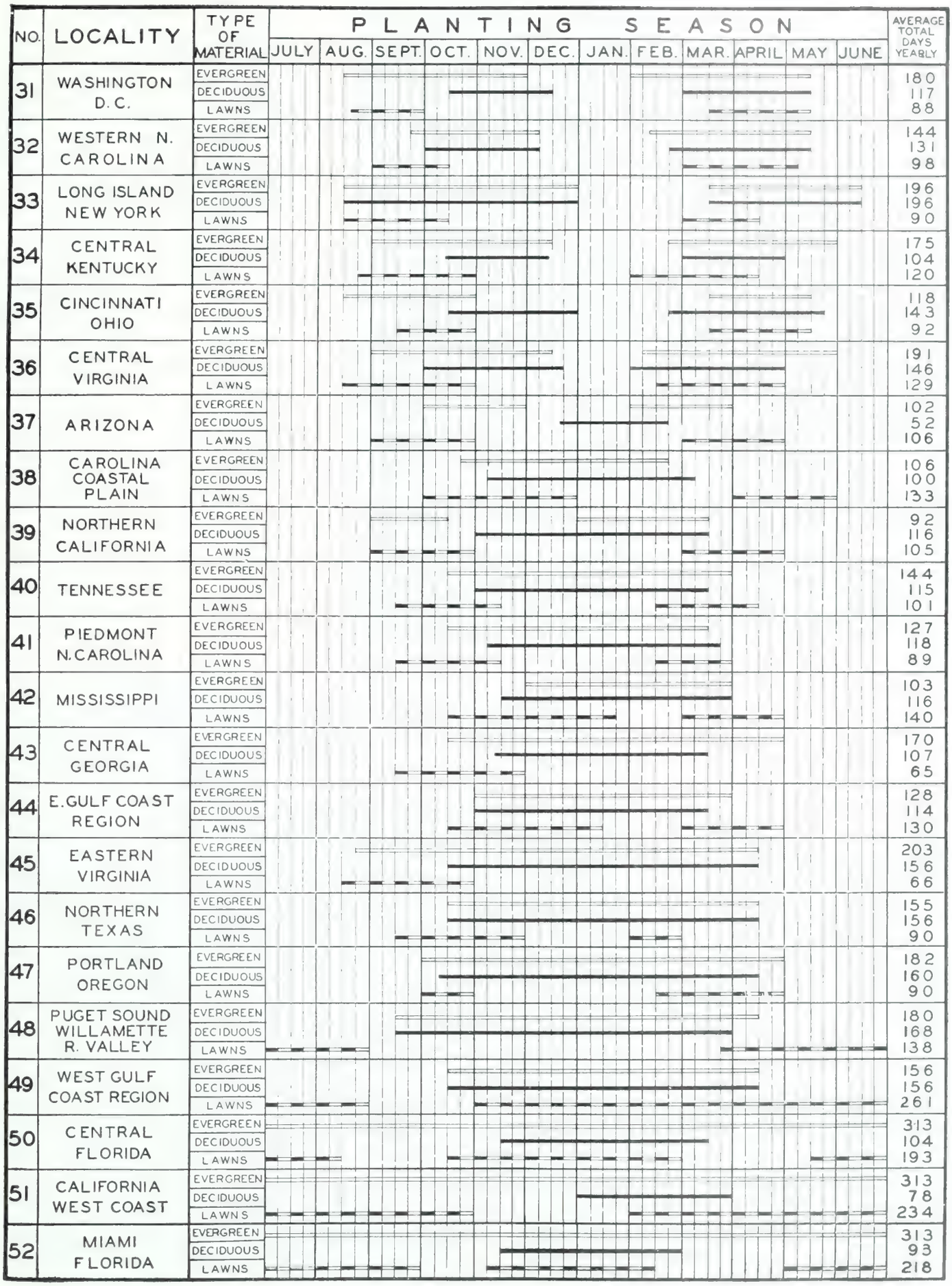
(*Continued on page 128*)





NO.	LOCALITY	TYPE OF MATERIAL	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	AVERAGE TOTAL DAYS YEARLY
9	BAR HARBOR MAINE	EVERGREEN													100
		DECIDUOUS													80
		LAWNS													26
10	UPPER MISS. VALLEY	EVERGREEN													90
		DECIDUOUS													95
		LAWNS													111
11	NOVA SCOTIA	EVERGREEN													74
		DECIDUOUS													95
		LAWNS													44
12	BOSTON MASS.	EVERGREEN													92
		DECIDUOUS													74
		LAWNS													100
13	CENTRAL N.Y. STATE	EVERGREEN													85
		DECIDUOUS													104
		LAWNS													77
14	TORONTO CANADA	EVERGREEN													78
		DECIDUOUS													102
		LAWNS													73
15	SOUTHERN MASS.- CONN. AND R.I.	EVERGREEN													93
		DECIDUOUS													106
		LAWNS													133
16	DETROIT MICH	EVERGREEN													92
		DECIDUOUS													103
		LAWNS													84
17	BUFFALO N.Y.	EVERGREEN													86
		DECIDUOUS													87
		LAWNS													114
18	CENTRAL IOWA	EVERGREEN													71
		DECIDUOUS													85
		LAWNS													91
19	CHICAGO & NORTHERN ILL.	EVERGREEN													122
		DECIDUOUS													90
		LAWNS													65
20	EASTERN COLORADO	EVERGREEN													132
		DECIDUOUS													97
		LAWNS													85
21	CLEVELAND OHIO	EVERGREEN													100
		DECIDUOUS													102
		LAWNS													80
22	WESTERN COLORADO	EVERGREEN													132
		DECIDUOUS													105
		LAWNS													86
23	SOUTHERN ILL. AND INDIANA	EVERGREEN													124
		DECIDUOUS													104
		LAWNS													78
24	MARYLAND & DELAWARE	EVERGREEN													129
		DECIDUOUS													83
		LAWNS													76
25	PITTSBURGH PENNA.	EVERGREEN													65
		DECIDUOUS													122
		LAWNS													74
26	KANSAS	EVERGREEN													104
		DECIDUOUS													89
		LAWNS													53
27	EASTERN WASHINGTON	EVERGREEN													132
		DECIDUOUS													118
		LAWNS													131
28	EASTERN PA. & NOTHERN N.J.	EVERGREEN													98
		DECIDUOUS													126
		LAWNS													83
29	SUBURBAN N.Y. CITY	EVERGREEN													85
		DECIDUOUS													123
		LAWNS													81
30	MISSOURI & UPPER ARKANSAS	EVERGREEN													143
		DECIDUOUS													103
		LAWNS													69

PLANTING SEASON


NO.
LOCALITY
TYPE OF MATERIAL
PLANTING SEASON
JULY
AUG.
SEPT.
OCT.
NOV.
DEC.
JAN.
FEB.
MAR.
APRIL
MAY
JUNE
AVERAGE TOTAL DAYS YEARLY
31 WASHINGTON D. C. EVERGREEN 180
DECIDUOUS 117
LAWNS 88
32 WESTERN N. CAROLINA EVERGREEN 144
DECIDUOUS 131
LAWNS 98
33 LONG ISLAND NEW YORK EVERGREEN 196
DECIDUOUS 196
LAWNS 90
34 CENTRAL KENTUCKY EVERGREEN 175
DECIDUOUS 104
LAWNS 120
35 CINCINNATI OHIO EVERGREEN 118
DECIDUOUS 143
LAWNS 92
36 CENTRAL VIRGINIA EVERGREEN 191
DECIDUOUS 146
LAWNS 129
37 ARIZONA EVERGREEN 102
DECIDUOUS 52
LAWNS 106
38 CAROLINA COASTAL PLAIN EVERGREEN 106
DECIDUOUS 100
LAWNS 133
39 NORTHERN CALIFORNIA EVERGREEN 92
DECIDUOUS 116
LAWNS 105
40 TENNESSEE EVERGREEN 144
DECIDUOUS 115
LAWNS 101
41 PIEDMONT N. CAROLINA EVERGREEN 127
DECIDUOUS 118
LAWNS 89
42 MISSISSIPPI EVERGREEN 103
DECIDUOUS 116
LAWNS 140
43 CENTRAL GEORGIA EVERGREEN 170
DECIDUOUS 107
LAWNS 65
44 E. GULF COAST REGION EVERGREEN 128
DECIDUOUS 114
LAWNS 130
45 EASTERN VIRGINIA EVERGREEN 203
DECIDUOUS 156
LAWNS 66
46 NORTHERN TEXAS EVERGREEN 155
DECIDUOUS 156
LAWNS 90
47 PORTLAND OREGON EVERGREEN 182
DECIDUOUS 160
LAWNS 90
48 PUGET SOUND WILLAMETTE R. VALLEY EVERGREEN 180
DECIDUOUS 168
LAWNS 138
49 WEST GULF COAST REGION EVERGREEN 156
DECIDUOUS 156
LAWNS 261
50 CENTRAL FLORIDA EVERGREEN 313
DECIDUOUS 104
LAWNS 193
51 CALIFORNIA WEST COAST EVERGREEN 313
DECIDUOUS 78
LAWNS 234
52 MIAMI FLORIDA EVERGREEN 313
DECIDUOUS 93
LAWNS 218

Informal French Houses Give Hints To American Architects

Gerald K. Geerlings

THERE are some architectural styles which are so archæological that on meeting the owner coming forth one feels inclined to exclaim, "But my dear fellow, where are your cavalier boots, your ruff, and the plume in your hat?" And there are some others which have become so dried up and hackneyed that to their owners one can only mentally mumble, "Poor chap!"

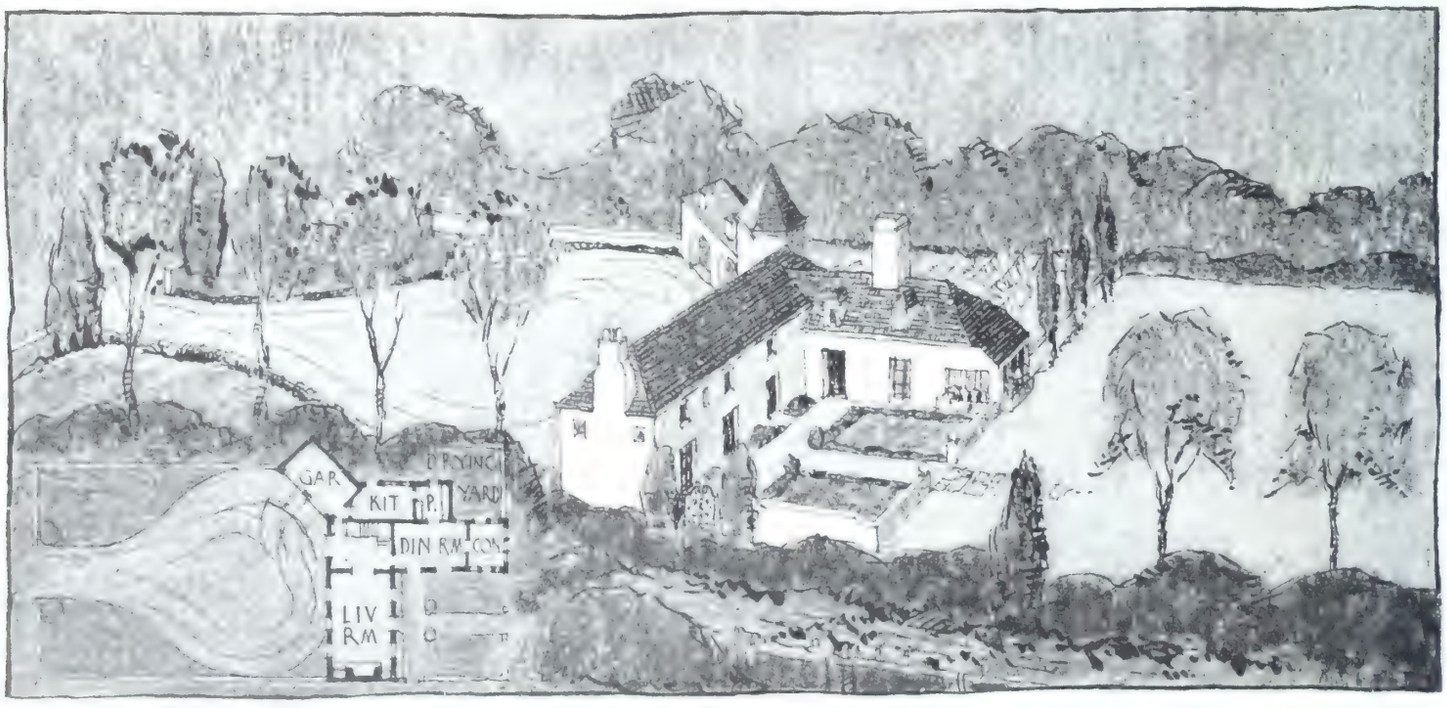
Quite naturally one does not feel the urge to build a house of either type. Even though one had the funds to recreate a *maison de Jacques Cœur*, the feeling is that a house must be a part of one's workaday wear and not a museum exhibition piece. Turning to the French sector of possibilities there are ideas aplenty from all provinces —perhaps too many, for the abundance has led many a house to cut capers with details hailing from Provence to Brittany. *La belle France* has such a coquettish and convincing way of making every cottage and *grande maison* seem the very thing for your American home, that the temptation is to throw discretion to the winds and assemble from here, there and everywhere. But if your architect can catch the spirit rather than the letter, he will be able to fashion you a house which will be as American as yourself, yet with such a cultural background that it will serve rather to make it gracious



When the American house tries to be picturesque in the French manner it usually assumes a fairy-tale aspect with purposeless towers and other features. Details are apt to be assembled without real propriety and the charm of planting and surrounding is disregarded



The erstwhile Abbaye Sainte Croix near Guingamp, Brittany, is delightful in every architectural aspect. Adaptation of its features to the medium-sized house in America, especially as to tower and window treatment, would have to be very carefully managed

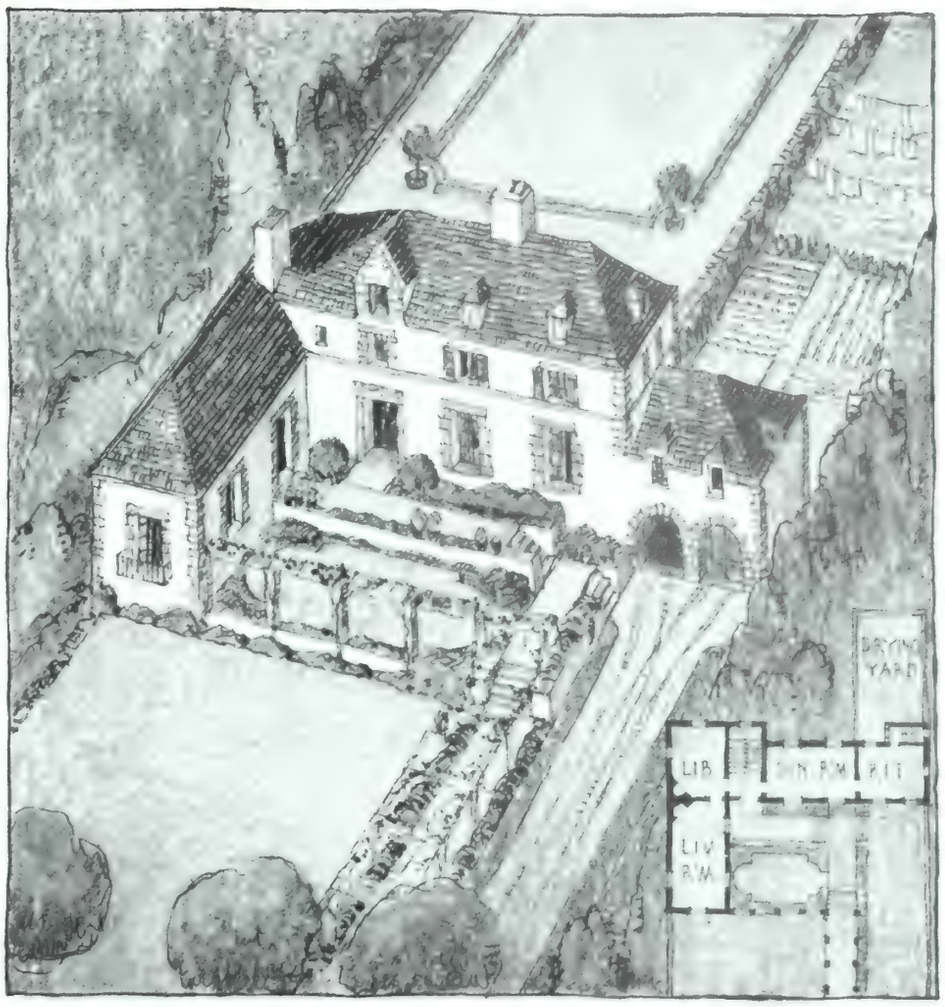


A modern house adapted from the informal French, with open forecourt and garage in front, small enclosed garden at the rear, and a kitchen yard. It may be enlarged by stages, provides cross-ventilation in the main rooms and affords a picturesque grouping

and intimate than "correct" and stiff-necked.

It is as difficult to draw complete representative compositions and details of the informal French house adapted to American needs, as it would be to delineate informal attire. Where to begin, where to end, what to select? It is impossible to cover the field. However, it is feasible to select a single golfing costume, another for sailing, one for lounging about and another for street wear. And similarly in the accompanying illustrations, there are houses for the flat plot and the sloping, various solutions for the garage and garden problems, and sundry details of roof, dormers, chimneys, doors and windows. There are certain to be others just as good or even better, as with any street ensemble which milady might select, but at least they indicate the general cut which is safe, economic and sensible to follow.

It is not national borders which separate one architectural style from another, but climate, indigenous building materials and prosperity. So it is but little wonder that in the south of France the architecture should be similar to Northern Italian or Northern Spanish, and in Normandy to be closely akin to the half-timber work of Southern England. There is therefore a variety of massing and details which runs the entire gamut,



(Above) This suggested modern house on a flat plot provides a garage runway at the right, reaching the garage at the street level, while a pergola-covered walk leads to the house up two short flights of steps. Ascending two terraces, each distinctive, always adds to the general interest. The kitchen is above the garage and connected to it by rear stairs



The informal French house adapted to modern needs is especially suited to building in towns. At the upper right is a house which might well have begun with only the central two-story portion and tower. Additions to right and left could have been made at different times. The houses at the bottom emphasize the vertical and the horizontal, respectively



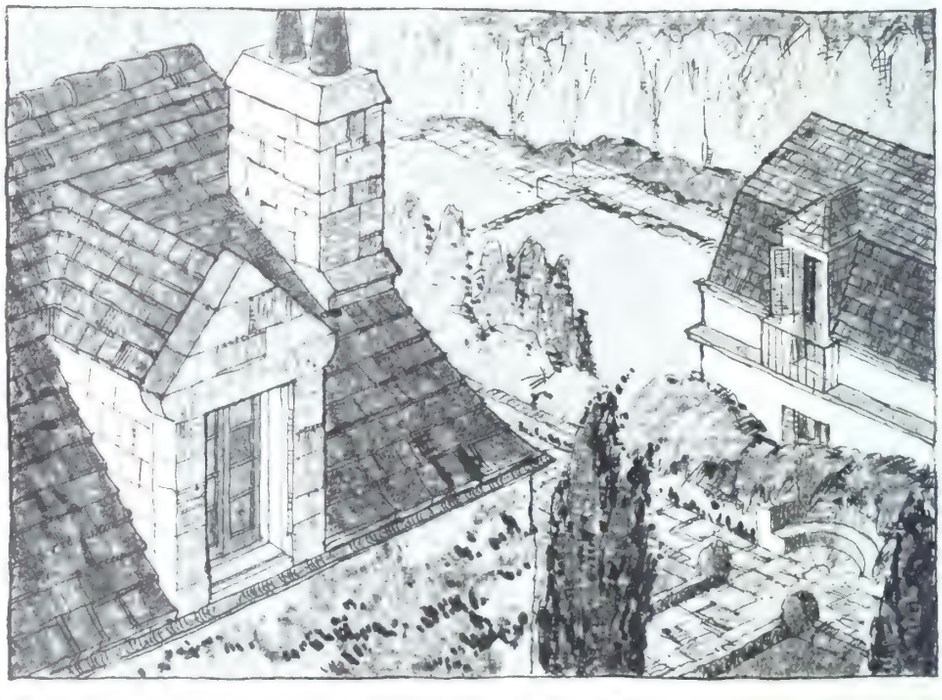
and a usage of materials embracing stone, brick, plaster and half-timber. Yet withal the well-built houses of the French *bourgeoisie* and peasants are the same in essentials from one boundary to another: they were built to serve a purpose—not erected for mere picturesque effect. They were built with a craftsman's directness and simplicity so that they have outlived the centuries probably better than those produced in any other country.

So well have French houses been constructed that many which were originally Gothic half-timber have since been plastered over in the manner of the Transitional or High Renaissance, if not in some subsequent period. Having undergone and survived successive periods, many of them offer excellent suggestions which point the way at this time when the vogue rightly favors simplicity and frank expression of utility. To build well is more sound real estate sense than we appreciate, we who build a house to last only for fifteen years and then move into another new one. Instead of a decreasing valuation after the first ten years, were we to build as well and artistically as in France, the mellowing and weathering and planting would serve us as profitably as the staunchly-built and now highly-prized houses of the Colonial high-tide, and more than offset any necessary plumbing or heating renovations.

When we see a colorful or picturesque French feature it is only natural to like it to the extent of wanting to duplicate it. To do so seems such a simple matter. The architect has only to repeat dimensions, ma-

(Above) Suggestions from Burgundy: shutters folding back on a colorful pattern, a window with scrolled top, a wrought iron plant shelf which is decorative but does not interfere with door or window. Also the inconspicuous recessed garage doors and the potted plants on the steps

The simpler the roof detail the better they are. At the left in the drawing is a stone dormer, with a gutter which is the only roof projection beyond the wall. A gentle curve on the roof upward swing. To the right, a wooden dormer with full length French doors and hooded gutter



terial and color. But the result is likely to be as much like the original as any stuffed bird in a glass case is like its relatives still singing in their native haunts. What looks natural to a French house is due in part to its perfect relationship to everything else around it. But take it bodily to your taxidermist, surround it by sawed off branches and a painted scenic background, and you will not get the color, the luster or the music you expected. Preferable by far is it to ask your architect to begin by giving you the number of rooms which you require, laid out conveniently and in such manner that additional ones may readily be added. Do it as imaginatively as possible, and if there be a job which can be given to a tower, employ it—otherwise not. If it works out so that a garage can be at a lower level, with interior stairs as well as exterior terraces leading up to the main living floor, all to the good. If the garage must be at the living floor level, try to make it deserving of its proximity by some such forecourt means as those that are suggested in the accompanying drawings.

In any case, even though the style your house adopts is not informal French, it is well to remember that the more private your house is to the outside world, the more inviting it is to anyone who enters its outer compass. The house which stands by itself on stilts in the middle of the most valuable one-thousand-acre site will not look as much like a "home" as the one which is surrounded by genial planting and forecourt walls on the smallest and meanest plot in

(*Continued on page 114*)



The garage may be a picturesque asset when it adjoins a stair tower. Entrance to the house may be by interior door to the tower, exterior door at court level, or exterior stair to living room. Plastered walls with stone quoins are a Breton combination. All drawings are by the author



From Senlis come these suggestions for a plaster house. Horizontal bands, sills, windows and door frames are cream, shutters and doors apple green, base band mulberry, walls apricot. Grapevines are on wires above windows. An intimate forecourt makes the entrance sufficiently imposing

Recent Developments In Building And Residence Equipment Fields

Gayne T. K. Norton

Month by month this page records newly developed materials and devices of particular interest to those who wish to have the construction and equipment of their homes up-to-date. Each product is actually available for purchase. Names of respective manufacturers will be furnished on request to House & Garden's Reader Service.

A POPULAR insulating material has been combined with a metal plaster base in such a way that both may be installed as one unit. The diamond mesh lath serves as a permanent and rigid base for plaster, yet no plaster comes in contact with the insulating material to impair its value. This metal insulating lath is supplied in 24 by 48 inch sheets which are to be butted together, the fibers interlocking and forming a continuous insulating sheet. The lath may be either nailed or stapled into place.

LIGHTED MIRROR

A MIRROR-FACED bathroom cabinet, or merely a mirror if preferred, has slots along its vertical edges in which are electric light brackets that slide up or down to a desired point. Lights can be placed just where needed for best illumination.

There is no exposed wiring, no clips, nuts or adjustments, nothing to take care of, nothing to cause trouble. Cabinets are of welded steel, doors are of die-cast white brass, lamp brackets are chromium plated. Boxes and doors are lacquered in a variety of color combinations. These edge lighted cabinets come completely wired and assembled. Installation is simple and inexpensive. But a single outlet is required.

STEEL JOISTS

TO MEET the demand for economical, lightweight and fireproof floors, an open truss steel joist has been developed. So made as to have high resistance to buckling strains, pressure electric welding is used to make positive connections at all joints. Underslung design permits maximum head room under supporting girders. The open web allows the passage of pipes and conduits of any number and in any direction.

Suited to use in all residences, economy is gained through light weight and rapid erection. A concrete slab, giving the very important fireproof floor construction, is usually laid over the tops of these joists. Wood nailing strips are embedded in the concrete and wood floors may be nailed securely to them, giving any kind of a finish floor desired. If preferred, the concrete can be troweled smooth, nailing strips embedded close to walls, and carpet laid and tacked.

A metal lath and plaster ceiling should be applied to the under side of the joists. This construction, but slightly more costly than the heretofore more conventional form, gives a floor of permanence, free from shrinkage and the cracks and squeaks that result, and absolutely firesafe.

BUILDING PAPER

MODERN thought has converted building paper into a much more vital factor in building economy. This product now serves many purposes and is so strong it can hardly be torn. Two layers of kraft paper, two of asphaltum and non-elastic, untwisted crossed fibers are formed, by heat and pressure, to produce a product so waterproof it will hold water for months and so rugged, we are told, no weather will affect it.

Careless application will not damage this new paper; it is applied without battens. Thus in walls and under roofs unbroken protection is secured, entrance of moisture and infiltration of cold air are stopped.

Under hardwood floors, this paper is bent up four inches about the base and the baseboard brought down over it. This provides a cold air stop and also a stop against dust, smoke, gases and vermin. As moisture is prevented from coming up, a major cause of cupping and buckling in floors is eliminated.

Flexibility is such that builders can carry it around the heads, sills and jambs of all openings for frames. It can also be carried around corner posts both ways, over roof ridges and to the bottom of roof valleys.

Curing sidewalks and basement floors is another use for this paper; here it assures strength, density and hardness, and at the same time protects against stains, construction dirt and abrasions.

If the tennis court is covered with it in fall, the ground will not absorb so much moisture during the winter, and heaving of the earth when frost comes out will be far less. It is an excellent protector of plants during the cold weather.

HANDY DRAINER

THERE is a world of service in a little appliance for making easy the filling or emptying of washing machines. When it is attached to laundry faucets, one may run mixed cold and hot water into the tubs or, through a separate hose, into a washing machine. After adjustment, when water is sent directly into the tub the side hose becomes a syphon that empties the machine. The device does not have to be changed about from one faucet to another. There are no moving parts; it will wear for a lifetime. There is also a faucet adapter that converts any smooth faucet into a standard threaded type in order to permit easy attachment of the drainer or other device.

RADIATOR CONTROL

A THERMOSTATIC device is offered for automatically and individually controlling the steam supply to each radiator on two-pipe systems. This good looking little unit gives temperature control to each room.

As long as an adequate heating system is in operation, the elderly occupant of one room may bask in a temperature of 80 degrees, while the young son may keep himself "hard" in a room where the thermometer registers 68 degrees. An atmosphere at a predetermined constant is always maintained regardless of changes in pressure or variations in outside temperature.

This device, small and easily regulated, is designed to control the difficult times when

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Dooryard Gardens Bring Charm To House Entrances

L. & J. Bush-Brown

WE hear a great deal these days about the better planning of the suburban lot. Everyone will agree that the present practice of placing the house near the street and allowing as much space as possible in the rear which may be used as a garden area is infinitely preferable to the old method. A generation ago and even a few decades ago, it seemed to be a generally accepted fact that the only possible future for any ground in the rear of the house was that of being a backyard. And what a dreary prospect it was for any piece of land —just to be a backyard, filled with clotheslines and ash cans, with perhaps a bit of a vegetable garden or a fruit tree or two as redeeming features! Today we have come to realize the great advantages of the house so planned that the kitchen and concentrated service area are toward the street and the living quarters open upon the garden at the rear. Fortunate indeed are those of us who dwell in such a home or who have been able to convert our old-fashioned back yards into pleasant outdoor living quarters.

There are thousands of houses, however, scattered throughout the country, built according to plans which are far from this ideal, and in many cases it seems an almost hopeless undertaking to attempt to do much of anything with their backyards. Since the advent of the automobile, the garage and driveway have, in many instances, cut a considerable slice off the yard area in the rear and with the kitchen and cellar doors opening out upon it, it often seems wiser to let it serve its humble and utilitarian function of producing a few vegetables or providing a play area for the children rather than to attempt to convert it into a garden spot. Where circumstances of this sort exist one wonders where one can grow a few flowers in order to have a

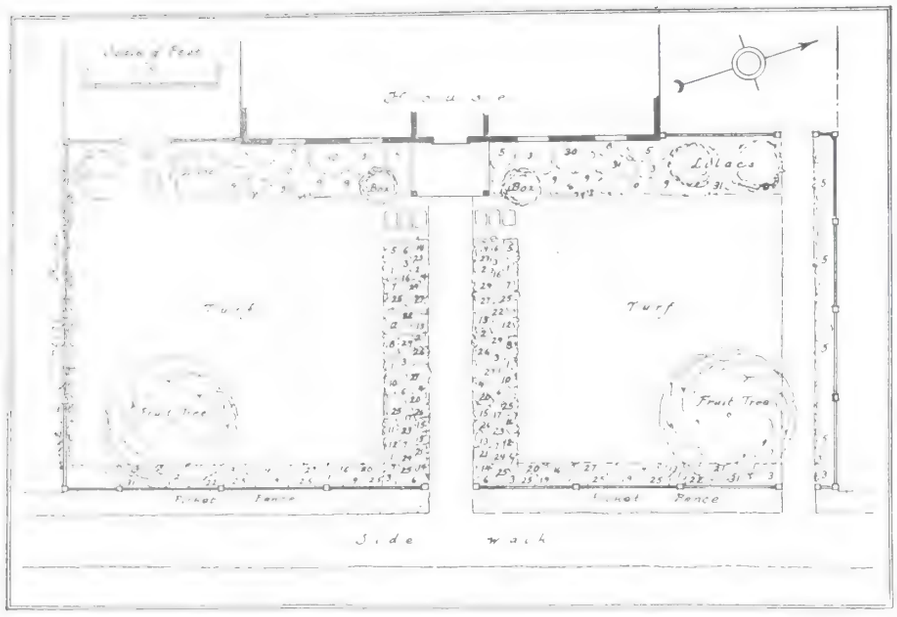


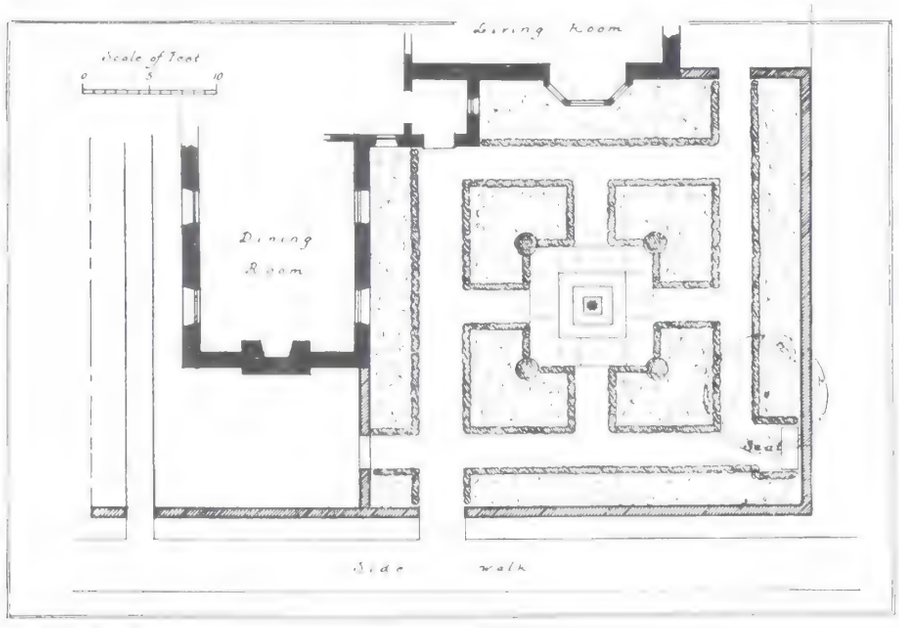
Mattie Edwards Hewitt

The dooryard garden is naturally associated with houses of a cottage character, for it is an essentially intimate sort of planting. One of its best expressions is found along such entrance walks as this one



The more luxuriant a dooryard garden is, the greater the appeal that it is likely to make. It is one type of planting where informality can be allowed the fullest possible sway in both plant selection and placing





Key To Planting Plan

1. Hardy Chrysanthemums
2. Annual Stock
3. Daylilies (*Hemerocallis*)
4. Mignonette
5. Hollyhocks
6. Beedingheart (*Dicentra*)
7. Phlox, Elizabeth Campbell
8. Phlox, Miss Lingard
9. Peony, (*Festiva maxima*)
10. Sweet Rocket (*Hesperis*)
11. Honesty (*Lunaria*)
12. Garden Heliotrope (*Valeriana officinalis*)
13. Hardy Garden Pinks (*Dianthus plumarius*)
14. Narcissus, Mrs. Langtry
15. Narcissus, Sir Watkin
16. Tulip, Clara Butt
17. Tulip, Moonlight
18. Tulip, John Ruskin
19. Tulip, The Bishop
20. Snowflakes (*Leucojum vernum*)
21. Checkered Lily (*Fritillaria*)
22. Gladiolus, Alice Tiplady
23. Gladiolus, Shell Pink
24. Columbine (long spurred)
25. Iris (*Pallida dalmatica*)
26. Sweet William, Newport Pink
27. Snapdragons, pink, yellow, white
28. Lilac (*Syringa vulgaris*)
29. Boxwood (*Suffruticosa*)
30. Brier Rose, Harison's Yellow
31. Plantainlily (*Hosta plantaginea*)

Dooryard gardens in the old days were enclosed by fences or walls, chiefly for reasons of protection. Today the need for privacy is added to the value of such enclosure and gives especial point to a scheme like the one above

An unusual type of modern dooryard garden is found in this Maine residence designed by John P. Thomas. A wing of the limestone house forms a logical place for a paved court, simply furnished and accented by Tulip beds

bit of bloom and color during the summer months, and the dooryard garden seems to fill this great need.

In England these little dooryard gardens are to be seen everywhere. Most of them are very simple and unpretentious and yet they are perfectly charming. Throughout the rural districts every little cottage has something in the way of a garden and in the villages, even though there be but the space of a few feet between the dwelling and the street, it is filled with flowers. Many of these little gardens look today very much as they must have looked in the day of Queen Elizabeth, for they are filled with old-fashioned flowers and they possess a quaint, romantic charm. They give one the impression that they have remained unchanged through the passing years. In the little Cotswold village of Bibury-on-Coln there is a row of picturesque stone cottages, separated from the village street by hardly more than a foot of ground, and yet before each cottage door there is a bit of garden. In this country, where we have been so profligate with land, we would not have thought such a trifling strip worth bothering with, but not so in England. There, no plot of ground is too small to be thought of in terms of a garden.

When our forefathers came to this country from England they brought with them this inherent love for gardening and old records tell us that hardly had their homes been established in the wilderness of the New World before there were flowers growing in their dooryards. Naturally





The English have a way of making delightful little gardens in places which we in America would neglect. They have developed dooryard planting to its highest degree, as exemplified by these old stone cottages beside a Cotswold street

enough these ancestors of ours planted gardens here similar to those which they had known and loved in their native England and so it came to be that one of the earliest expressions of garden design in the Colonies was the dooryard garden. It was the simple, logical outpouring of a love for flowers and for the beautiful. In the early days of the Colonies there was little time for anything save the struggle for a bare existence and yet many a good housewife must have found a few moments during her busy day to spend in her garden. To be sure, it was but a tiny plot beside her door, filled with Gillyflowers and Mignonette and a few spicy herbs for flavorings, and yet, what must such a garden have meant to the one who tended it! It must sometimes have seemed the only link between her life in the old world and the new. The pungent fragrance of the flowers must have helped to keep fresh the memory of the garden where she had played as a child in some English village.

To this day we almost invariably associate the dooryard garden with the Colonial. The very words bring to mind a picture of some little Cape Cod cottage with its trim green shutters and neat picket fence enclosing a tiny garden, or of a more stately dwelling on some Elm-shaded village street with flowers along the path leading to the door. Practically all of the gardens of Colonial times were enclosed by a fence which was in those days considered more of a necessity than an ornament. In the early days of the settlement of this country, cattle and animals of all kinds were allowed to roam at will and in order to protect one's home it was necessary to have a fence or a barrier of some kind. Many sections of the country required it by law.

But as time went on and the country became more thickly settled, laws were enacted which forbade people to allow their livestock to roam at large and there was no longer the actual need for a fence about one's home or garden. And with the passing of the fence came the passing of the dooryard garden as it had existed in Colonial times. Also, as is so often the case, the pendulum swung to the other extreme and for years fences or barriers of any kind were quite out of fashion. One's lawn and dwelling lay open to the public view and people in the villages and small towns and suburbs seemed content to sit upon their front porches watching the world go by. The vast majority of houses built during the latter half of the last century were of this type.

Fortunately, however, a reaction has set in and the present tendency is to again give the home something in the way of privacy and seclusion. Indeed, these seem such priceless attributes that one wonders how our parents and grandparents could willingly have sacrificed them. With the return of this ideal we are beginning again to have properties bounded by walls or neat picket fences or by hedges of living green and we are again coming to realize the possibilities of the dooryard garden. So

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Questions Readers Have Asked And Our Answers To Them

I HAVE a fresh air room, facing the south. The walls are pale cream. The carpet is taupe. Would it be a good idea to have plain yellow slip covers for the couch and two arm chairs, as I dislike figured materials? Will you suggest other colors as well as tell me what you think of the yellow? I dislike to hang yellow net over taupe for hangings and no glass curtains, as the room faces east and gets plenty of sun.

J. F.

The curtains over your fireplace should not be changed, nor with the carpet. We suggest that, in view of the fact that you have painted the walls cream, you use natural Venetian blind, painted the color of the walls and encourage to cover the casement portion instead. With these curtains all semi-glazed chintz in a light pattern of yellow, taupe and green, figured rather than set stripes, the other fabric. For pillows on the sofa and chairs, suggest the same chintz, quilted and bordered with the same.

THE living room of my French house is 15 x 25 feet, having earthen walls, with open fireplace. The fireplace is in the south end with a window on either side with recessed radiators underneath. The room is to be plain finished, with dull oak floors which we will stain to correspond with ceiling painted the color of the woodwork. I have a Oriental rug, in shades of gray, blues and rose to use here. I also have a mahogany set, Louis XVI, and would like to know if it would be possible to refit this into Empire or Directoire. What other furniture could you suggest, especially for upholstered pieces and curtains.

As to color scheme, the walls are plaster with [illegible] and I am minded to have the woodwork ivory enamel. I intend to get a velvet French provincial toile chintz and chair. How shall I have the wood treated, what material shall I get, and what color and material would be appropriate for the curtains and chair pads? Will pearl gray be suitable for the plaster wall? I intend to make use of a color scheme mentioned in your magazine for my bedroom—blue and red. Exactly what kind of red would be meant?

L. B.

Provided the mahogany pieces are finished nicely in the Directoire style, it will be possible to furnish your living room in the manner. If you decide upon this period, we suggest that you paint the walls an oyster-gray old white, with the cornice and trim outlined in dull gold. The curtains may be of old-gold satin, lined with deep blue, or of white satin edged with wide gold fringe. They should be quite full, draped in simple, classical folds, with valance looped in graceful festoons. Glass curtains should be of white silk gauze. Lighting fixtures of metal finished dull old gold, and lamp bases in the style of lamps, may be painted white and gold or ivory and gold with beds of white silk or parchment, suited to appropriate with the style in question. The furniture should consist of mahogany and white painted wood pieces. Cover a suite in antique gold satin. Two bergères painted white might be upholstered in plain blue silk or silk with patterned with a small Empire motif. An armchair covered in flower muslin and two cushions will finish the period, upholstered in satin [illegible] complete the effect.

As the sewing room the walls may be pearl gray, with woodwork and beams stained dark oak in the manner of French provincial furniture. With this color scheme, we do not suggest using the Jouy, as there are limited ground for curtains. A looked out as shades of gray, red and [illegible] will be most effective and the chair pads may be of linen in a Directoire block outlined in gray, striped in red and blue. With the accent [illegible] in the kitchen, the [illegible] in the sewing room.

I AM operating between the English and the Norman French style, but I must decide on it soon in the spring. The spot upon which the house is to be built is a semi-cottonwood tree and rolling hilltop beyond the rear. The property is in a new development where Tudor type residences predominate, although there are two Norman dwellings in the vicinity.

Have you any special factors to offer of these styles and help me with my decision? Any assistance you can offer me will be greatly appreciated.

V. B. W.

While you have not greatly put [illegible] you have not referred to, I shall be sure you prefer the English cottage, and that is the influence of English small houses most common to our suburbs.

In all probability to suburban and semi-rural locations both the Norman and the English are excellent. They are both essentially informal styles and permit of great latitude in size and location of rooms. Probably the Norman, with its more massive and more irregular outline is the more picturesque, but by the same token it is usually the more expensive to build.

The real clue to the proper decision seems to be in the fact that your plot is hilly and has outcroppings of rock. It seems to me that the more irregular lines of the Norman style will present more natural to such a site.

The fact that most of the houses about are English need not greatly influence a decision in favor of this style. The Norman has so much in common with the English that the noticeable difference will be more in the nature of a relief than otherwise. If the Norman is decided upon, however, it will be well to have the entire portion of it in the same material that have been used in the house generally.

IN spite of all the watering I do, many of my house plants are sickly and I fail to blossom. The buds form but seem to dry up before they are large enough to open. I also notice that the leaves of some of them turn yellow along the edge and finally drop off.

Can you tell me what the trouble is and how to remedy it?

P. T. B.

You may be keeping the pots too wet, as is quite possible to drown a plant as well as cause it to suffer from thirst. You might try watering less frequently. Generally, a thorough soaking every five or six days is enough.

It is more than likely, though, that the air in the house is too dry, as a result of the heating system being in operation during the cold weather. Plants need moisture in the air as well as in the soil, and unless enough of it they are sure to get into trouble. The real remedy is to install a good humidifier which will keep the air properly moist throughout the house. Some improvement should follow, though, if you keep a large pan of water on the radiator in the room where the plants are, and also spray their leaves with plain water once a day. On damp, warm days set them outdoors for several hours in some place where they cannot freeze.

CAN you give me the specific reason why it is not considered wise to plant the outdoor garden just as soon as the frost is out of the ground in the spring? I should think that the earlier start you get the sooner you will have flowers and vegetables. But maybe this is just one of those beginner's theories; anyway, nobody seems to follow this idea here in the suburban community where I live.

D. R. P.

There are two main reasons for not sowing outdoor seeds (with very few exceptions, such as Sweet Peas and ordinary garden Peas) until the ground is quite well warmed up by the spring sun. Either one of these would be sufficient to discourage very early planting.

First, there is the physical condition of the soil. When the frost first comes out, and generally for several weeks thereafter, the soil is too soggy to permit getting it into the well cultivated, finely prepared state which is necessary to the proper germination and growth of young plants. You must wait until it has dried out considerably.

Secondly, there is the matter of temperature. Most seeds require rather warm conditions in order to germinate. In the early spring there is too much low temperature at night, often during the day as well, and whenever one of the frequent cold rains comes along. Under cold, damp conditions many seeds will rot instead of sprouting.

Obviously, there are marked advantages that come from extremely spring sowing, provided the conditions necessary to germination are present. This is where the hotbed and coldframe come in, for the former especially can be depended upon to supply the necessary warmth and protection as early as the end of February. By properly utilizing either of these two devices you can usually count upon having strong plants ready to set out in their permanent places in the garden by the first part of May—a clear gain of at least a month over out-door sowing.

There's nothing like a glowing soup to brighten the Lenten meal!



The restrictions of the season in many homes bring an added problem to the puzzled meal-planner. In her efforts to maintain the variety and attractiveness of her table, she eagerly welcomes such allies as these four strictly vegetable soups, containing no meat in any form — Tomato, Asparagus, Celery, Pea.

Their tonic vegetable goodness is augmented by nourishing creamery butter, and of course the blending and seasoning reveal all the art and skill of Campbell's famous French chefs. Even richer and more delightful when *creamed* according to the simple directions on the labels. Order a supply today. 12 cents a can.



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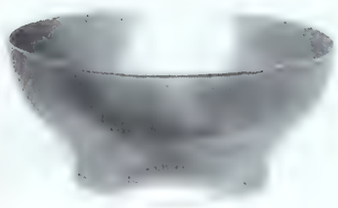
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Small footed American pewter bowl made about 1820. It was originally used as a baptismal font. American Art Association —Anderson Galleries, Inc.

English And American Pewter

(Continued from page 75)

Box: For candles, money, pepper, powder-puff, pounce, salt, sand, snuff, tobacco, etc. Many types and sizes. 18th Century—elaborate English tobacco boxes; rectangular, cut corners, shaped lid with finial, scroll feet. Snuff-boxes and mulls, especially English and Scotch, late 18th and early 19th Centuries, box generally oblong, with rounded corners, rarely circular; fanciful pistol, slipper, and grotesque mask forms, inside often gilded. Plain or engraved in French, Dutch, or German styles—scrollwork, floral, hunting scenes, etc. Seldom marked.

Britannia metal: English, about 1800, a trade name for superfine quality of pewter; later hardened as substitute for Sheffield Plate. 19th Century—tea and coffee sets.

Candlestick: English types in period styles largely follow silver designs since Middle Ages. Many types—tall, medium, and low; plain or highly ornamental. Decorative Jacobean, William and Mary and Queen Anne types; plainer in early Georgian, late 18th Century—baluster, Adam classic column type, early 19th Century—with simple border ornament. Taper holder—small candlestick, 17th Century and later. American Colonial—plain, tubular, for pricket or socket; home-made until about 1750, when commonly made by pewterers, simple baluster and other English types. Brass more common in Federal period (1790-1830) except for kitchen and cottage use. Low chamber candlesticks of pewter or white metal, with cone extinguishers.

Cardinal's Hat: English, 15th Century and later, flat dish and saucer resembling hat of a cardinal.

Chapnet, chapnut: English; heavy 17th Century type of salt-cellar.

Charger: English, 17th Century and later.

Cistil: 14th Century, English; small box, generally square.

Coaster: English; 18th Century and later.

Coffin: English; crust-mold for meat-pie.

Collecting: Little interest in old pewter until 20th Century; few collectors, and little known of it. Notable museum and private collections now being made. English: Guildhall Museum, large vessels and fine table plate, from 16th Century; Victoria and Albert Museum, massive pieces, some silvered; many private collections by members of the Pewter Collectors' Society and others. American: The Metropolitan and other museums, many historic houses with local collections, private collections. Piece kept polished in most collections, but occasionally unpolished. Texture, color, form, ornament, probable age, nationality, technique, artistic and historic interests are notable points in collecting.

Cooking utensils: Every type and size formerly made in large quantities. Colanders with side handle pierced in attractive patterns, especially early 19th Century. 18th Century—funnel or tundish, with rim for hanging.

Counterfeit: English; small bowl or porringer, pierced ear handles, late Tudor rose generally stamped on the bottom; several sizes. Dutch examples much used in England.

Counterpaye: See Touch Plate and Marks—English.

Cup: British—great variety of size and shapes; one, two, or no handles. Beaker, beer bowl, brewer's cup, chalice, cider cup, Corporation Cup or Hanap—elaborate standing cup, eared cup—see Porringer, egg-cup, French cup—old type, footed cup—short stem, goblet, posset cup—sauce pan type, tankard, two-handled cup, wine cup. American—beaker, bowl, flagon, goblet, mug, tankard.

Decoration: British and American usually plain, with molding; beaded or reeded rims; encircling rings in relief or incised, occasional engraved floral motif or coat-of-arms. Chasing, engraving, gadrooning, rarely *repoussé*, *pointillé*, stippling, wriggle-work, turned finials, some piercing—especially ear handles. Painting and gilding on small English pieces; prohibited since 1564.

Decorative Plate: Rare since 16th Century; of Continental inspiration.

Dish: Properly designates a large plate. Various English names since 15th Century—charger, cardinal's hat, Florentine dish, galley dish, meat dish, platter, rose-water dish, small dish, venison dish, etc. Oval forms in vogue mid-18th Century. 19th Century—English flat platter, strengthened by molding.

Drinking Vessels: Beaker, can, cup, ewer, flagon, jug, measure, mug, tankard, tappit-hen, quaigh.

Ear or *Eared Dish:* With flat projecting horizontal handles—ear handles, solid or pierced. British—bleeding bowl, *écuelle*, quaich. American—porringer. Cast rose soldered inside English Tudor eared dishes.

Ecclesiastical: Church plate, early of pewter except for festivals. 15th Century—large chalices with handles.

(Continued on page 106)

. . . The elegance of 18th century France finds expression in this patrician TAPESTRY



One sees in this splendid Schumacher production much of the etched-like beauty and rare shading of an Aubusson. The seat and back depict flowers in warm tones clustered on a neutral ground. Embroidered motifs, too, ornament the arm strips. A richly distinguished tapestry to suit the fine, supple contours of a Louis XV chair . . . or to grace an occasional chair in various decorative schemes of character and charm. « « « Schumacher Fabrics are sold only through decorators, upholsterers or the decorative departments of department stores. Send for complimentary booklet "Fabrics—the Key To Successful Decoration," Dept. E3, 60 West 40th Street, New York. Offices also in Boston, Philadelphia, Chicago, Los Angeles, San Francisco, Grand Rapids, Detroit.

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Desk chair, Provincial Louis XVI, carved walnut frame, old blue striped and flowered brocade upholstery **$165.00**

Carved walnut refectory bench **$195.00**

Florentine, 18th Century, metal holder in slate and gilt, adjustable rod **$45.00**

Louis XVI arm chair, slate and green paint, upholstered in chintz **$275.00**

Louis XVI arm chair, walnut frame, chintz upholstery **$225.00**

Antique Oriental rug, 11 feet 3 inches by 7 feet . **$90.00**

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129 North Wabash Avenue

Chicago, Illinois

English And American Pewter

(*Continued from page 104*)

Flagons and tankards commonly used in Great Britain. Baptismal basin and ewer, alms basin; chalice and paten. Chapnet, English, 17th Century, small vessel. Scotch communion tokens, about 1 inch diameter, stamped round or hexagonal, 17th Century—larger with date and monogram, 18th Century—minister's initials occasional.

Ecuelle: French eared broth bowl or vegetable dish. Term used for saucer in England.

English: Superior metal, early worked, common since Middle Ages. Domestic and ecclesiastical; rarely gilded, sometimes decorated. 14th Century—feast vessels hired for Christmas, etc. 15th Century—dishes, plates, porringers, etc. 17th Century—general use, replaced by silver for wealthy. After Restoration, complete pewter table services temporarily replaced silver melted for war. Made in London, York, Newcastle, Exeter, Bristol, etc. Brief Art Nouveau revival, late 19th Century. Important modern revival.

Ewer: Jug, or pitcher. English—early rose-water type; 17th Century—hawksbill and ravensbill—large and small, both with beak-shaped lip-spouts.

Fine Metal: See Pewter.

Flagon: Large tankard, flat or domed lid. Early domestic and ecclesiastical types similar. Superseded Cromwellian black-jacks. Frequent Rose decoration inside bottom, cast or soldered. Body, cylindrical, tapering, bulbous at bottom, or pear-shaped. English, Irish, and Scotch variants with C-shaped or other handles, lids, finials, and thumb-pieces varied.

Florentine dish: English, 15th Century and later; serving dish for meat.

Garnish: English; old term for set of dozen each—dishes or flat bowls, soup or flat plates, and platters.

Goddard: English; from French *godet;* tankard, two sizes, largest size with dolphin cuts.

Guild: English, 1348—earliest record of Pewterers' Company "Ordinance," London, 1473—"The Craft of Pewterers," 1612—"Company of Pewterers." "Worshipful Company of Pewterers," London, supreme in influence throughout England. Other guilds at York and Edinburgh. Irish pewterers included in Guild of Smiths, Dublin, and Society of Goldsmiths, Cork. London Company regulated pewterers' work strictly; the regulations similar in essentials to those of Paris, Limoges, and Rouen. No night work, pewterers must serve full apprenticeship to become masters in the Company, weight of articles fixed, different alloys for different vessels, the alloys tested by standards kept at Pewterers' Hall; all plates must be finished around the booge by hammering, to strengthen them. 1621—new tin and lead only were used. Efforts were constantly made to lessen the practice of recasting old pewter and debasing the quality by added lead; which efforts resulted in gaining the reputation of supremacy for the quality of English pewter.

Handle: Flat strap metal or hollow cast; often with thumb-piece; lower end terminals—early a flattened curve, bulbous curve, blunt curve; English—fish-tail, Scotch—rudimentary split end.

Hot water plate and dish: English, mid-18th Century; many patterns. A shallow bowl underneath the plate for hot water to keep food warm. Round or octagonal like set of plates; platter, or venison dish with gravy channels in tree form; fixed or loose tops; fixed or drop handles; sides molded or perpendicular.

Irish: English pewter much used; 14th Century and later, records of pewterers—Joseph Austen and Robert Powell of Cork, John Heaney of Dublin, Charles Clarke of Waterford, notable. Irish harp, an old touch mark, Dublin.

Lighting Fixtures: In successive period styles follow silver types—candlestick, sconce, lamp—whale oil, camphene, spirit, etc., Betty lamp, courting, or sparking lamp; marine, or ship's lamp, etc. Brass trimmings occasional in England.

Loggerhead: Circular inkstand, generally on flat dish or base.

Marks: English—English and American marks often similar. 1423—a regulation that pewter ale-pots should be "sealed"—doubtless stamped. 1503—compulsory marks by Act of Parliament on lay metal; finer metal probably marked earlier. First recorded use of official "touches" about 40 years later. Counterpayne—a sheet of metal kept at Pewterers' Hall, London, on which the pewterers' touches were stamped for verification. The stamp itself called counterpayne at York. Guilds in London, York, Bristol, Exeter, etc. York copied London. Many known touches with dates on pieces, 1673-1824. Some pewter unmarked, especially by small country or traveling pewterers. Much unmarked pewter, 1830-50. Many 19th Century candlesticks and table beakers unmarked. Generally the smaller the mark the earlier the piece, like a small circle surrounded by beads or dots, 16th or 17th Century; but early marks on dishes are larger than later. The large touch on any piece is the most important mark. The touch consists of initials or full name of pewterer, and various devices: Company's quality mark—the Rose or "stryk," generally but not always with Crown above. Makers' mark, not required by the Pewterers' Company, but simulated silver hall-marks: four small shield-shaped punches, usually in a row, containing leopard's head, initials, a sun in glory, heart, hand, dolphin, dog, caduceus, angel on globe, Catharine wheel, etc.; generally 17th or early 18th Century. Crown and Feather, Rose and Crown, Royal Arms with Garter and Crown—Tudor marks. Figure of angel rare, and different from Continental. Some part of a still occasionally used as chief device on London 18th Century pewter. 17th Century—generally maker's name only; occasional portcullis—the form of the pewterer's sign. A new touch—accompanied by a knot or ff shows original touch confiscated through wrong practice. Pieces turned on lathe, early 17th Century; forbidden by Pewterers' Society, 1681; but lathe used for many 19th Century

(*Continued on page 108*)

Complexions rare as any gem

LEARN FROM THE ENGLISH WOMAN THE SECRET OF HER RADIANT SKIN

NEVER more beautiful than at evening, when the hard brilliance of artificial light demands the utmost of a fine complexion, the English woman sets a standard of beauty that the entire world has envied. Her skin is flawless, her coloring perfect, her grooming exquisite to the least detail. There is no magic to account for this . . . unless one simple rite of daily care be magic. But the English woman is fastidious in the extreme about the preparations she uses. One soap—Yardley's; one cream—Yardley's; one powder—Yardley's . . all with that lovable fragrance of English Lavender. And all available to you.

Eight generations of well-groomed women confirm your choice of Yardley's English Lavender Soap. For a hundred and fifty years its gentle, refreshing care has guarded complexions famous for their beauty. And now that we need a cream to supplement our soap and water cleansing, comes English Complexion Cream—three creams in one. A cleansing cream, to sink to the very depths of our clogged-up pores. A nourishing cream to repair, while we sleep, the ravages of day. A powder foundation to be put on and then washed off in water. All these in one. Then, for the finish, English Lavender Face Powder, subtly shaded and delicately fine, in six well-blended tints.

But for the complete story of English beauty, write for our booklet, "Complexions with an English Accent." It is free. Yardley & Co., Ltd., 452 Fifth Avenue, New York City; in London, at 33 Old Bond Street; also Toronto and Paris.



Photo by Eric Gray, London



YARDLEY'S ENGLISH COMPLEXION CREAM, to cleanse, nourish and protect your skin. It is also used as a powder foundation, and can be washed away with water. $1.50. Yardley's English Lavender Face Powder in six skilfully blended shades. $1. Yardley's English Lavender Soap for complexion and bath. Bland, cooling, refreshing. Box of 3 cakes, $1, or 35c a cake. Guest size, 20c. Bath, 50c.

BY APPOINTMENT TO H. R. H. THE PRINCE OF WALES



YARDLEY'S ENGLISH LAVENDER . . . THE LOVABLE FRAGRANCE THAT DISTINGUISHES ALL THESE EXQUISITE PREPARATIONS

ABOUT English Lavender there is a sweet, cool fragrance that no other perfume has ever caught . . . a delicacy and gentle wistfulness. An enduring winsomeness, if you will. For many perfumes have come and gone in fashion's capricious train, but only this one has remained in permanent favor. Only this English Lavender of Yardley brings with it the tradition of a century and a half of increasing popularity. . . . The English gentlewoman is born to the use of Lavender. Eight generations of radiant women have taught her its subtle charm. Now, she shares its beauty with America. For all these preparations are available here. The Lavender, itself, is $15 to $1, in various-sized bottles.

YARDLEY'S ENGLISH LAVENDER



COLONIAL TREASURES

Reproduced by Craftsmen







[illegible]

The Craftsmen Blue Book

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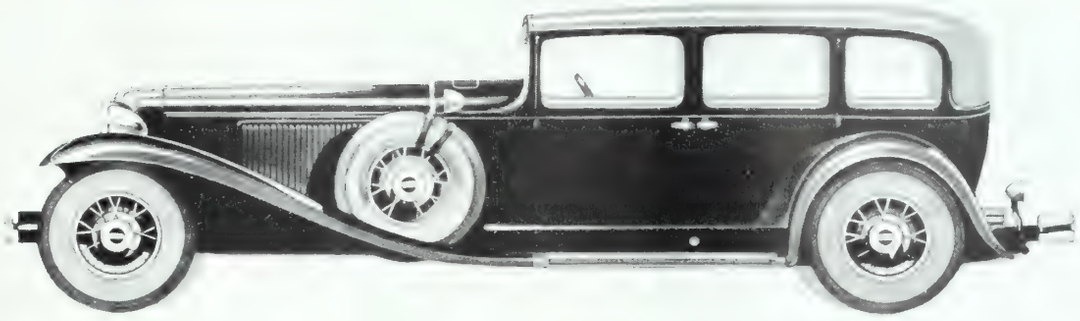
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CRAFTSMEN, INC.

59 DAYTON PIKE
HARRISONBURG, VA.

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English And American Pewter

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ANNOUNCING THE NEW 1931 PROGRAM FOR THE CORD FRONT DRIVE

In keeping with our long standing policy, we are again able to make the public the beneficiary of the savings obtainable through better manufacturing methods and greater buying power. For the first time, a Cord Front-Drive car is now offered to a larger market. Owners of the Cord Front-Drive will tell you it is the finest automobile in the world. Nothing less than a totally new *kind* of motoring could make possible the successful invasion of the Cord into the fine car field. Its sales in its first year represent nearly twenty per cent of all cars sold above $3000. The Cord became the model for the entire automobile industry to pattern after. It is this car, which is the standard of fine car values, with its exclusive front-drive advantages, which we are now able to offer for the first time at the extremely low price of— **$2395**

BROUGHAM $2395 · SEDAN $2395 · CONVERTIBLE CABRIOLET $2495 · CONVERTIBLE PHAETON SEDAN $2595

Prices f. o. b. Auburn, Ind. · Equipment other than standard, extra · AUBURN AUTOMOBILE COMPANY, AUBURN, IND.

CORD

FRONT DRIVE



IN the spring of the year we bring the fascination of the out-of-doors into the home. Then we delight in forsythia sprays, pussy willows, and the gay and scented beauty of flowering bulbs.

Roseville Pottery provides the perfect setting for spring flowers. Its lovely texture and exquisite coloring blend with a wide variety of blossoms; and the wealth of designs offered by Roseville makes graceful display possible with all sorts and types of growing things.

Because of its beauty of form, texture and color, Roseville Pottery is appropriate as a permanent part of your decorative scheme. It is "livable" pottery, and has the true distinction of a charming and usable creation.

Bowls, jars, vases and candlesticks of many sizes and shapes are fashioned for you by Roseville craftsmen. You may see them at leading gift shops and department stores. Ask for them by name so you may be sure of genuine Roseville quality.

Write, and a copy of the interesting, illustrated booklet, "Pottery," will be sent you free.

THE ROSEVILLE POTTERY COMPANY, Zanesville, Ohio

ROSEVILLE POTTERY

Recent Developments In Building

(*Continued from page 90*)

weather is mild and over-heating both objectionable and expensive. Radiation, naturally, is figured to give 70-degree warmth on the coldest days. As extreme weather does not usually last long, it is claimed that this device makes possible economies in fuel to the extent of 20 to 40 per cent as compared with systems employing hand operated valves. This gadget sees to it that only as much of the radiator is heated as is required to hold the temperature at the desired degree.

FADED DRAPES

IN ANNOUNCING a line of fast dyes to the fabric trade, a leading dyestuffs producer says: "There are people who use dyes, purposely or in ignorance, which are not suited to the purpose for which the dyes are used." When this happens, colors fade; disappointment and expense follow. The day when American dyes were not fast is long past. This supplier goes on to say there are trade-marked lines of fast-dyed fabrics, the dyes being so fast that they will stand several years of normal exposure to sunlight in draperies and upholstery before fading. "Be insistent when asking, learn the maker of the dyes", suggest this firm to its trade. This may be a good suggestion for all of us to follow.

SAFETY GLASS

MOTOR car makers and owners are fast adopting laminated safety glass. And some home owners are asking the glass manufacturers why this non-shatter glass would not be good as a medium for making windows burglar-proof—"it is so hard to break through," they say. Not because it is hard to break through, but because a special tool is required to cut it, there might be merit in it as a "burglar-proofer" of windows. But be warned, as the producers warned me, it is apt to turn yellow or brown upon long exposure to sunlight. In a car there is no chance for this glass to discolor, because the life of a car is much shorter than the time required for such discoloration. Until this remarkable glass is further perfected, one had better let electrical precautions keep out the second-story men.

COMBINATION PADLOCK

THERE is a bronze padlock which has, instead of a keyhole, three small dials with numerals from 0 to 9 on each. Over these is a shield which, when raised, serves as the lever or latch by means of which the lock opens when the proper combination is set on the dials. Locking is accomplished by closing the shackle and the quiet operation of the combination prevents any "feel" by which it would be revealed. The combination can be changed at any time.

INEXPENSIVE OIL BURNER

INTENDED for small and very moderately priced homes, a junior oil burner is offered by a veteran manufacturer. Radically different in design from burners previously made, this one operates on the same principles which have proved successful in the larger burners made by the firm.

The outstanding feature is the control mechanism in which the starting impulse of the motor is used to control the oil flow and ignition. This we are told, affords a dependable means for operating the controls. It also secures production economics that make possible the low price.

Radio interference, which has become a common problem in the operation of oil burners, is entirely avoided by means of a radio-proof transformer. The regular metering pump is used on this burner. A thermostat located in a room on the first floor controls operation of the unit.

FLEXIBLE WOOD

WOOD paneling for wall surfaces, flexible as canvas, comes by the roll. Only recently put on the market it is a veneer of fine cabinet wood permanently mounted on stout cloth. It bends around corners, takes any finish that can be applied to wood, does not check, crack or warp, and is as pliable across the grain as a piece of leather.

Interiors of original charm and dignity are possible with this material which can be used as a surfacing for structural parts of ordinary wood stock, for plaster or wallboard walls and can even be applied over metal.

Suitable in new homes as well as old, it is furnished in rolls in oak, black walnut or mahogany. The cost of paneling with this product is from a third to a half less than usual. As it is applied with paperhanger's equipment, and is cut with a knife or shears, application cost is low. It is proof against temperature changes and humidity, and permanent in any climate.

Grain patterns are original and inimitable as they are the actual grain of trees. In one room finished with this flexible wood a unique modern effect was secured by the use of corrugated wallboard base covered with this material.

WINDOW SILENCER

MAKING a room quiet and fresh that has been noisy and poorly ventilated is the task accomplished by a silencer just perfected. To those whose rooms are on or near a noisy street this device promises all the benefits of moderate quiet and fresh air.

Designed for placement in a window where it will command the approach of noise, this silencer produces a quiet like that secured when all windows and doors are tightly closed. It gives much more ventilation than a wide open window and changes all the air in a room every few minutes without creating a draft. Easily installed in old homes, in new ones it will provide air through the walls; when so built-in, all windows would be made double and would be raised only for cleaning.

This silencer is a simple device, a flat box, five inches high, with no moving parts, and an electric fan in a circular box some six inches high. Easily set in place and connected with the nearest outlet, a switch thrown one way will cause fresh air to be

(*Continued on page 118*)



Joseph Urban

WHO DESIGNED THE ZIEGFELD THEATRE AND CENTRAL PARK CASINO

creates these

TAILORED NET CURTAINS

for your home

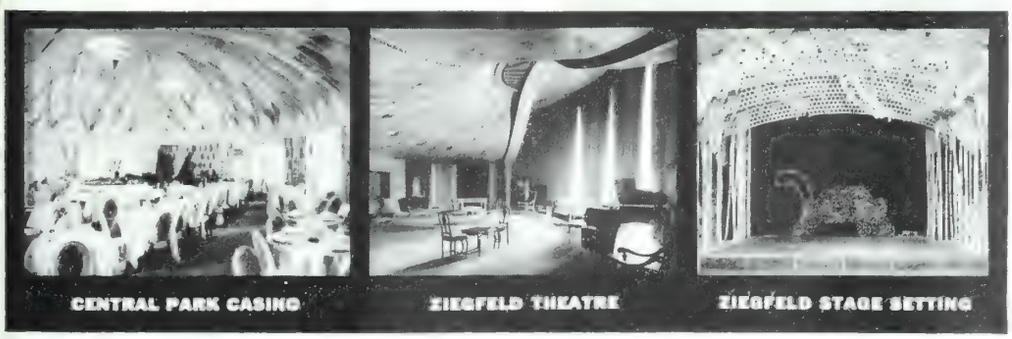


EVERYTHING Joseph Urban designs is clear-cut, straightforward, vibrant with modern thinking. He uses new motifs in a new and practical way. So when we asked him to design net curtains for the windows in your home, his mind flashed naturally to the altogether new. He chose, for their decorative value, towering skyscrapers, stiffly geometric bamboo and the flight of birds.

And see what charming and wholly livable effects he has achieved. In this room corner, with its metal furniture and its modernistic radio cabinet, he has hung his skyscraper design, adding just the completing touch of figure demanded by so simple a room. And this selection was unmistakably right, for leading decorators this season are recommending "Tailored Net Curtains at every window."

The Skyscraper design will not only find a perfect background in a modernistic room—it is equally charming for a more conservative type. Other interesting Urban Net Curtains are Bamboo and Airplane, ten in all. Each curtain is 2½ yards long by 36 inches wide and comes in the new pongee color. You can purchase the pair from $2.00 to $2.50 each at most good stores.

If your favorite shop is not fully stocked with these designs, write us and we will see that you are supplied. Write today for free booklet, showing all the Urban designs in this new series.



New York's smartest rendezvous Created by Joseph Urban

This is a striking illustration of the mezzanine lobby in Ziegfeld Theatre

An Urban stage setting from a recent Ziegfeld production



If any of your friends would like to have this free booklet, just write us their names and addresses. We will see that they are supplied.

SCRANTON LACE COMPANY, Dept. 630
Scranton, Pennsylvania

Gentlemen:

Please send me, free, the interesting illustrated folder "Tailored Net Curtains, designed by Joseph Urban."

Name _____

Address _____

City _____ *State* _____

SCRANTON *Net Curtains*



Gargle LISTERINE *every 2 hours* when you have a COLD or SORE THROAT

In your mouth, a fierce and continuous battle is being waged. The forces of Health against those of Sickness. Nature against Germs—dangerous bacteria that lodge and multiply in the mouth by millions, striving to cause illness.

Surely you can appreciate the necessity of using, every day, a mouth wash fatal to germs, yet harmless to tissue!

Physicians have long urged a night and morning gargle with full strength Listerine, the safe antiseptic with the pleasant taste. For Listerine kills germs of all types in 15 seconds. No faster killing time has ever been accurately recorded by science.

Gargle every 2 hours

The morning and night gargle is deemed sufficient, in time of normal health, to keep germs under control and maintain a cleanly condition of the mouth.

But when infection is actually under way, which is the case when you have a cold, sore throat, or inflamed condition of the oral tract, authorities urge that the gargle be repeated every two hours.

By so doing you give the body, now at lower resistance, the extra attacking force it needs to combat the ever-multiplying germs in the mouth.

Mouth germs reduced 98%

If you could look into your mouth with a microscope before and after gargling with Listerine, you would behold a remarkable transformation.

Before the gargle you would see millions and millions of germs, alive, wriggling, darting to and fro. After, you would see the same germs dead and powerless to cause harm.

Repeated tests, following the technique employed at great universities, show that full strength Listerine actually reduces bacteria on the surfaces of the mucous membrane 98%.

Take this precaution

At the first symptom of trouble in the oral cavity, begin gargling with Listerine and consult your physician.

Do not be afraid to use Listerine undiluted. Only in this way can you get the full benefit of its germicidal action. Remember that Listerine is non-poisonous, absolutely safe to use, and actually healing to tissue. Lambert Pharmacal Company, St. Louis, Mo., U. S. A.

The Truth About Mouth Washes

203 mouth washes, old and new, examined, analyzed, and tested under standard laboratory methods.

94 utterly unable to kill germs in five minutes, and hence non-antiseptic. 107 unable to kill in three minutes. 143 unable to kill in one minute. Dozens of them without the slightest deodorizing effect. Others poisonous, or harmful to tissue.

Contrast their sorry performance with that of Listerine, the safe, non-poisonous, deodorizing antiseptic, which kills germs in 15 seconds (fastest killing time accurately recorded by science).

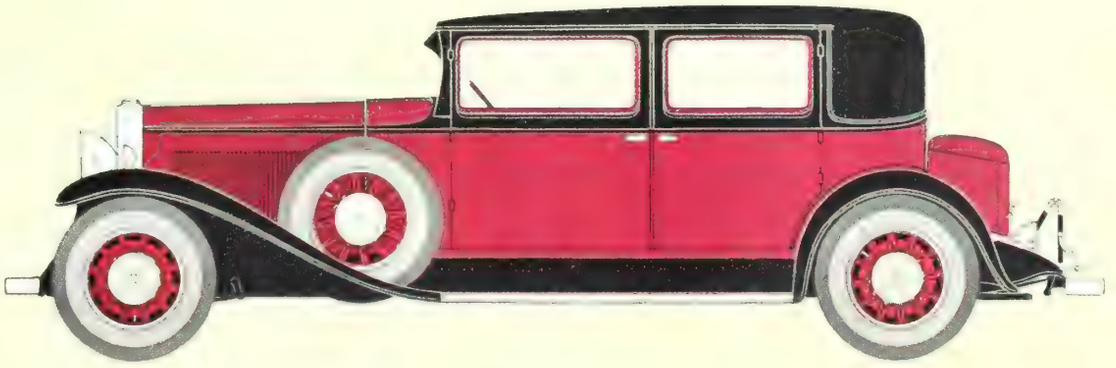
SAFE · NON-POISONOUS · PLEASANT TO USE

KILLS GERMS IN 15 SECONDS



It is a truth, almost without exception, that those who visit the Cadillac plants prefer Cadillac and La Salle forever after. To see these magnificent cars in the process of creation—to watch, with one's own eyes, Cadillac craftsmen at their work—is to have an enduring conviction that no higher standards could be enforced. And such, indeed, is Cadillac's oldest tradition—to build as finely as it is possible to build

CADILLAC MOTOR CAR COMPANY, DETROIT, MICHIGAN, *Division of General Motors*



Built by Cadillac, in the finest Cadillac traditions—the new La Salle is the first car of its type to be made available in the medium-price field. Entirely aside from its Cadillac-born quality and prestige, it represents unusual value—for it serves so well and so dependably that owners drive it far longer than the average automobile

$2195 to $3245, f. o. b. Detroit

The liberal G. M. A. C. payment plan is available to purchasers of La Salle

· L *A* S A L L E ·

WINDSOR CHAIRS *give* Colonial Charm *to this Bedroom*

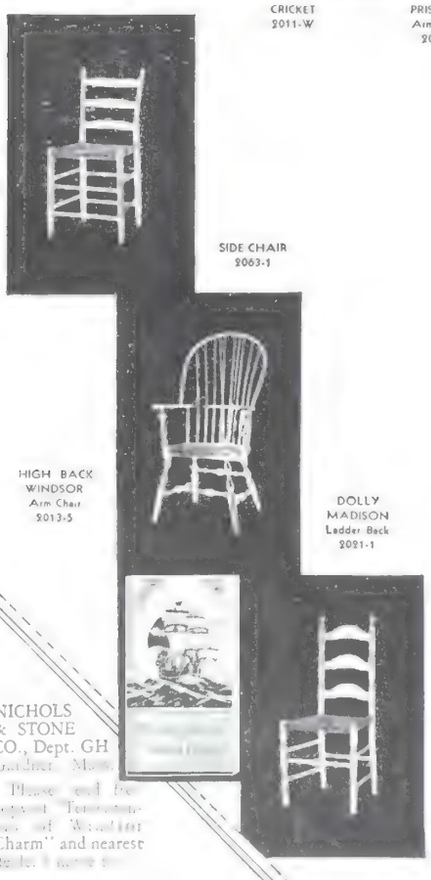


CRICKET 2011-W

PRISCILLA Arm Chair 2004-5

CHATHAM Side Chair 2053-1

BENCH 2471-W



SIDE CHAIR 2063-1

HIGH BACK WINDSOR Arm Chair 2013-5

DOLLY MADISON Ladder Back 2021-1

NICHOLS & STONE CO., Dept. GH Gardner, Mass.

Please send booklet "The Tercentenary of Windsor Charm" and nearest dealer's name to

Name

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City and State

THE intangible element in home furnishing is the charm that makes your room radiate desirable warmth and personality.

Nichols and Stone Windsor Chairs have given this tasteful attribute to many homes for each Nichols and Stone Windsor is patterned upon a priceless Colonial original. The adaptability of the Windsor Chair to any type of home is emphasized in productions by Nichols and Stone with superior workmanship, soft warm finishes in mahogany, walnut or antique maple—and genuine hand-woven flagg seats.

May we send you our booklet "The Tercentenary of Windsor Charm", with many illustrations of new patterns in Windsor Chairs illustrating their appropriate use in various rooms?

NICHOLS & STONE CO.

THE HOME OF WINDSOR CHAIRS

Gardner Mass'tts



For beauty in any room RUBBER *is the "modern" flooring*

Obviously, *rubber*, the most modern of flooring materials, is the flooring most accurately suited to the handsome Modern Library which is illustrated here.

But in rooms of any period you can use Rubber Flooring with brilliant success. For it is *modern* in any style or period of decoration. No matter what colors you use, or how you pattern it, Goodyear Rubber Flooring is always attractive. It is always resilient underfoot. It muffles noise. It is dirt and moisture proof. It will not scar, scuff, or stain. It will not fade-out in patches for the fresh colors go the whole depth of the material. It requires no wax and is instantly bright with a whisk of cold water.

Whether your decorations are French, Early American, Modern, or what you will, Goodyear Rubber Flooring joins beauty, in every room of your house, with service and comfort. It is moderately priced — any home can afford these hospitable floors.

THE GREATEST NAME IN RUBBER

GOODYEAR

RUBBER FLOORING

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Rubber Co., Inc.

Sanitas is the cloth wall covering that can be cleaned with soap and water



THE vogue for cleanable wall coverings was created by Sanitas twenty-five years ago.

But Sanitas offers you more than a waterproof surface finished in oil colors—it is made of cloth which does not tear or crack on the walls.

Because of this fabric strength, Sanitas is the preferred wall covering where permanence as well as beauty is desired.

The surface of Sanitas is non-absorbent, neither water, grease nor ink stains can penetrate the outer coating, hence stains and finger marks are easily wiped off with a damp cloth, or with soap and water if necessary.

See the Sanitas Sample Book containing styles for every room. Your decorator will gladly show it to you.

Look for the Sanitas trademark on the back of each roll. If you have any difficulty in securing genuine Sanitas, write us.

THE STANDARD TEXTILE PRODUCTS CO.
320 Broadway Dept. 21 New York

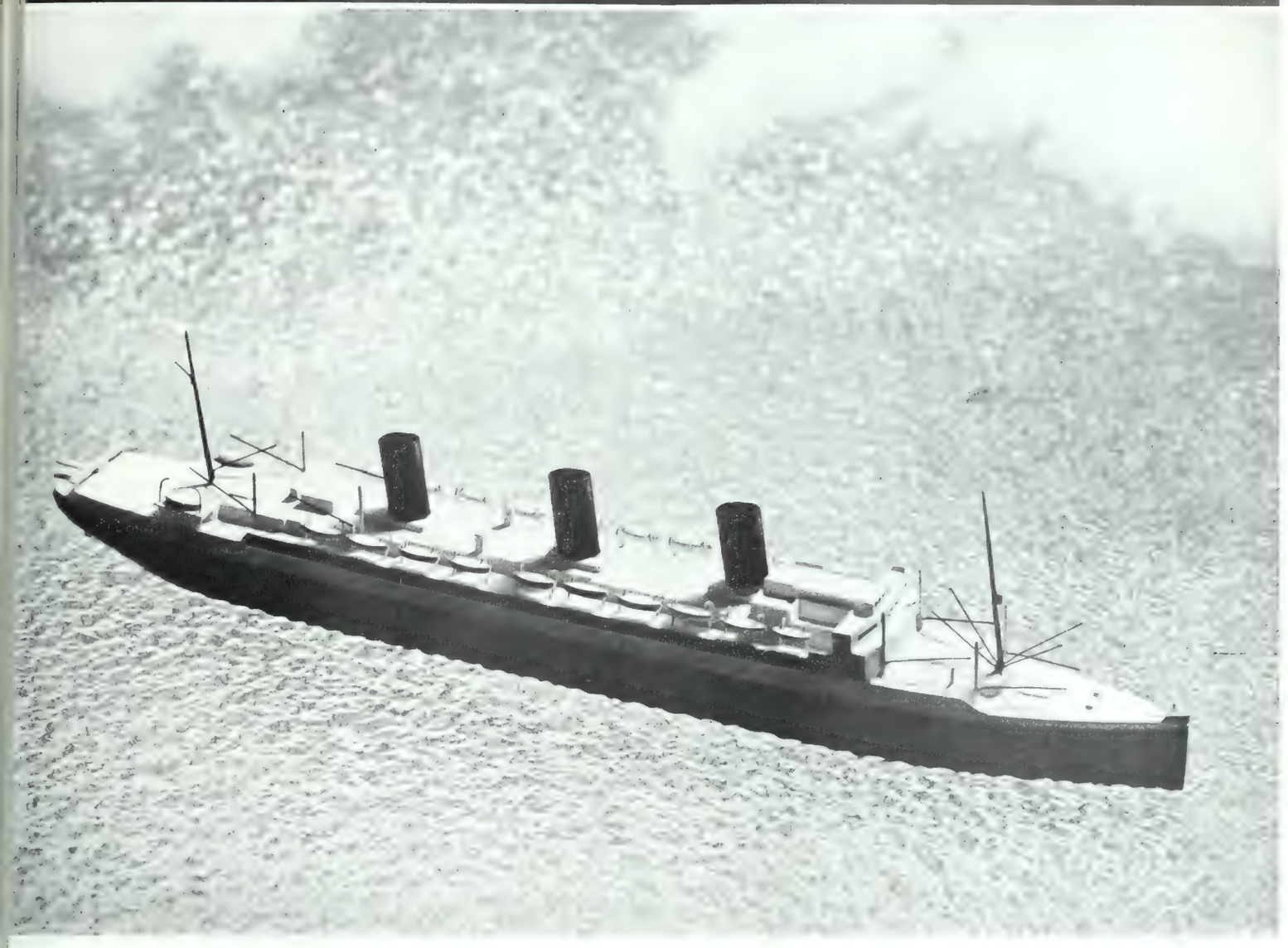


Write for Booklet and Samples

Booklet in colors offers many helpful decorative suggestions

SANITAS
MODERN WALL COVERING

At 4:30 P. M. on MARCH 27th
the ATLANTIC'S MOST POPULAR SHIP
sails once more with a distinguished company



THE Île de France sails. Even along the case-hardened waterfront you sense a thrill. Out of Pier 57 into a bright Hudson evening slides the ship that last year averaged from New York more first-class passengers per trip than any other afloat.

Distinguished names aboard—perhaps an eminent musician, a great scientist, a clever editor—brilliant names from the society pages—a new Hollywood star—diplomats—international bankers—to total a ship's company of travelers who are bored only by something second-rate. That, of course, is why the Île de France has always a distinguished company of guests, pointing for Plymouth and Havre, relaxing for five days into the utmost comfortable luxury.

These interesting, gay folk will once more challenge a notable chef to match the best of any Paris restaurant or London club: he will outdo himself. They will command vintages hard to find—and get them. They will once more wish (a little plaintively, perhaps) that they might steal and carry home those exemplary stewards and stewardesses, who answer needs almost before those needs are put in words. Their brilliant garments will tincture the *décor* of an amazingly interesting and thrilling example of modern decoration—which the Île de France is. Accustomed to the best in life, they will be completely at home.

Every ship, from time to time, must carry one or two of the Olympians whom the smart world calls "important"; their individual presence is unimportant. But when voyage after voyage so many, many of them sail, automatically, on the Ile de France, they pay the complete tribute to the luxurious atmosphere and extraordinary hospitality of the ship—and of the line. And they point you the way. For these intelligent people evidently know how much more of the good things of life may be bought for the price of a cabin on the flagship of the smart world.

Your French Line representative will show you, very specifically, how their experience may be yours; he will book an excellent cabin reservation for you *promptly*.

FRENCH LINE, 19 STATE ST., NEW YORK CITY
or French Line Agents, everywhere.

Beauty Blossoms Forth and Never Fades—with Salubra



In Salubra Pattern No. 31584, a particularly pleasing effect of light tan on a cream background, just one of hundreds of Salubra designs to harmonize with any type of interior —Period or Modern. Furniture by Cromwell.

Salubra

REG. U. S. PAT. OFF.

WILL WASH

Informal French Houses

(*Continued from page 89*)

one thousand counties. It is the deft touch which produces melodious music, not the force of the impact—and in house-making you have only to seek French examples for proof. The illustrations show various means of enclosing a part of the plot immediately surrounding the house within a wall, low or high, or a hedge. Instead of having to pay for the landscaping costs of an entire site at the outset (when the building contractor's unpaid balance is likely to be already too high), it means that the house itself can be made to look a part of the plot. Such is the case of the house shown at the bottom of page 86 and at the top of page 87, while the upper drawings on pages 88 and 89 both indicate inexpensive means of planting around the house itself which will make it look "as though it belonged".

Ideally the architect and the landscape architect will confer and collaborate from the very earliest stages of the planned house. Even though the owner may not consider the services of the latter to be a real necessity for such a small operation as a house, it usually is one of the best investments which can be made. No house is as agreeable to live in or as easy to sell profitably as the one which has charm and a sense of being rooted to the soil—and no house but a new one can obviously planted shrubs and trees, vines and flowers is likely to have those qualities. Also the consideration of what and where to do the planting, and how much can be bought for the smallest sum. A landscapist can lay out a progressive schedule which will create the best effect at the end of each stage for the least outlay, an item which often actually saves more than the cost of the service in the long run.

COBBLE STONES

As one of the most [illegible] of the [illegible] use of many French ones which are cobble stones, some large but generally small. These are shown on page 89, laid out with divisions of flagstones around the outer perimeter as well as out into the field. Anyone who has seen cobble stones used in this manner, with tufts of grass growing between them, or occasional clumps of flowers, knows how appealing the effect can be. Particularly is it valuable on a slope where grass is apt to be washed away, or for building up wide terrace steps of something other than solid, unsympathetic masonry.

As to materials, the locality will determine what is most readily available, and one's budget can make the choice from that point on. If the house is to be plastered on the exterior—the least expensive means—French precedent offers many suggestions both in refreshing color and form. The drawing at the bottom of page 86 [illegible] one of many possibilities. If it be possible to use stone, or stone in conjunction with plaster, there are many Breton-inspired motifs in order, such as are shown at the top of pages 88 and 89. However, in any house, particularly the small or medium sized one, it is a good rule not to change the materials frequently, or the whole will take on a restless and unrelated appearance.

Similarly with the selection of motifs—if one try to wed the adaptations of Gothic, *Francois Premier* and the Directoire, it will be extremely difficult, if not impossible, to arrive at a homogeneous result. Half-timbered work has purposely been omitted from all drawings for it represents a type of construction which is not native to modern means of building. Merely to veneer the exterior of a wall with flat strips of wood which sooner or later may warp off, is too obvious an insincerity to require further comment. If the timbers be genuine and serve to support and frame the wall, half-timber work becomes permissible. But even then it seems a bit too much unless the balance of the house to be carried out in the same spirit.

THE REAL SPIRIT

Nothing is so unhappy to behold externally as the house which boasts in its every detail, "*Je ne parle pas Français*", unless it be the house which is stringing together a number of French words without meaning. The upper left drawing on page 86 is an example. Quite naturally it is not to be expected that a house over here will be French in the manner of the Abbaye Sainte-Croix, (upper right drawing on page 86) but there is every reason to hope for discriminating taste which will draw on the rich heritage of France in order to make for a more picturesque, more colorful, more worthy house, and that it will discard such details and features which do not contribute to the general good of the ensemble. Also, that all insincere imitations of sagging roofs, stone fragments cropping out of an otherwise unbroken plaster wall, wanton mixture of several kinds of material which look like a poor stage-drop—that these and their ilk will be known as false and unworthy of emulation.

If one has a trunk of valued ancestral possessions, on looking them over one does not remark, "These buckles are tarnished, I will therefore see that my new ones are also tarnished, this coat is torn, I will tear mine, this hat is bashed in, I will bash mine in—for in so doing I am following in the footsteps of my ancestors, and the world in seeing me so accoutred will recognize me as a mistotat of a proud bygone day". Neither should one commit such folly in selecting the garb for his house.



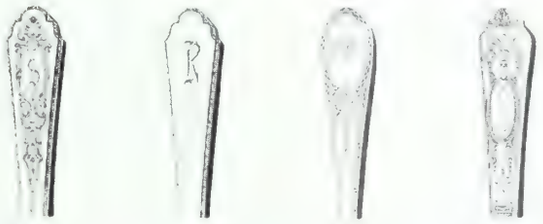
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In the Orinoka booklet, "Draperies and Color Harmony," are shown twelve rooms, period and modern, planned and executed in color by a well-known decorator, using appropriate Orinoka Fabrics. These same fabrics, you may see in all their real beauty in the drapery departments of leading stores. Ten cents in coin or stamps will bring you the booklet and the name of store nearest you. Use the coupon below. The Orinoka Mills, 183 Madison Avenue, New York City.

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Review Of Water Supply System

(*Continued from page 66*)

Water requirements for domestic use can be approximated as follows:

Filling lavatory	1½	gallons
Filling average bath	50	"
Flushing toilet	6	"
Shower	30	"
½" garden hose with nozzle	275 to 300	gals. per hour.
Lawn sprinkler	150 to 300	gals. per hour.

A company, which we will call "A", claims fifty years of experience behind the splendid models it manufactures for use where the vertical lift of the water does not exceed 25 feet—in shallow wells, cisterns, dug wells, springs or running brooks. The pump capacity ranges from 4 to 50 gallons a minute, though pumps with up to 100-gallon capacity can be furnished if needed. The construction of these pumps is such that the cost for repairs or replacements due to accident or wear, is reduced to a minimum. Quiet operation is another feature. The capacity of these systems has been increased to meet today's increased demands.

The electric models are self operating in all respects. They may be secured all assembled, with motor, automatic switch "V" belt drive, air charging device and fresh water outlet. A complete extra set of packing for the pumping units may be had at nominal cost.

They also manufacture models which operate automatically without the use of a storage tank. These are splendid where the water is wanted direct from the source of supply. If, at a future time, increased storage is desired, a tank can then be connected at any point in the discharge line.

WITH FEW PARTS

Another pump manufactured by this same company is a single cylinder, double-acting power piston pump with enclosed crank case put out to meet the demands for a pump with as few working parts as possible. The four sizes in which this is made provide a capacity range from 9 to 50 gallons per minute.

This organization advises that its belt driven units are quiet and somewhat lower in first cost but they are not recommended for damp location. Their silent chain is durable and smooth in operation, while the direct geared driven is more noisy but sometimes preferred especially in the larger sizes—as it does not require the lubrication needed by chain drives.

A popular outfit is that manufactured by "B." This system can deliver from 3,000 to 5,000 gallons of water each 24 hours if needed. And at a slight additional cost, cool, fresh water can be obtained direct from the well without entering the tank.

The pumping unit—consisting of direct connecting pump and electric motor—may be mounted on top of the storage tank out of the way of dust and dampness. Or, in another model, the pumping unit may be lower, even at considerable distance from the tank if conditions necessitate this. Where a larger storage capacity is required, horizontal tanks can be had holding up to 940 gallons, or a complete system may be installed which will hold 15 barrels of water under pressure ready for instant use without starting the pump.

The principle upon which pumps of "B" operate is new. There is only one moving part—a wheel that spins away year after year without even touching the surrounding metal. Long years of satisfactory service are built into these fine pumps with their excellent motor construction and vital parts of cast bronze. Where electric power is not available, gasolene engines are substituted for the motor. Or the pump may be equipped with a pulley and driven from some other power source. It is claimed that only about one-half the usual amount of current is needed to start this pump and there is no pounding or hammering during operation. These devices, too, may be used on springs, lakes and streams as well as with cisterns and shallow wells.

IN VARIED TYPES

Company "C" has built up a reputation through the correct design of its pumps and its high standard of workmanship and materials. Its self priming suction pumps are built in two types, each type in several capacities. In the unit systems pump and tank form a self contained unit. In the assembled systems the pump and tank are located independent of each other. The electric pumps are wired through a hand switch which may be used for starting and stopping the pump. A complete automatic control may be preferred. Gasolene engines must be manually started but may be automatically stopped. Water-direct-from-the-well attachments may be incorporated in the plan if desired.

This firm also furnishes a combination piston and plunger pump of simple and rugged construction, suitable for pumps of medium size.

Company "A" manufactures—in addition to the shallow well pumps previously described—splendid deep well equipment furnishing 100 to 3,600 gallons of water per hour from varying depths of wells. Because of the simplicity and ruggedness of construction, together with the fact that the gears run constantly in an oil bath the deep well-head will give long and satisfactory service with a minimum of attention and operating expense.

"A" classifies its motor driven deep well pumps into "units," "outfits" and "systems". So it is possible to readily determine the right size of motor needed to secure the required water capacity from varying diameters and depths of wells. A frost-proof section which places the discharge below frost level, may also be had in this equipment.

Where installation space is limited the motor may be mounted on top of the pump, and swung easily back if for any reason the plunger underneath must be withdrawn. Or other models allow the tank to be located at any convenient spot away from the pump which must of course be right over the well. As with its shallow well systems, this company makes equipment either for pumping into a stor

(*Continued on page 118*)



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Today Strahan reproduced old wall papers with all their traditional charm, but in small, two, new patterns in the [illegible] Each Strahan design . . . [illegible] with the distinction that [illegible] decorative richness that became that for years . . . will add a touch of beauty to your decorative scheme.

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No. 6113 "Louis Seize". Authentic [illegible] reproduction of [illegible] paper . . . background for the period room . . .

Review Of Water Supply Systems

(Continued from page 110)

age tank or for conditions which do not require large storage capacity.

Company "C" also makes deep well equipment, run by electricity or gasolene, and embodying the same skilled construction as their shallow well pumps. They offer a choice of sizes with capacities from 1700 to 1950 gallons of water an hour. The principle on which their deep pumps are built "cushions" the motion in the pump, lessening the vibration of the rods which extend down and operate the cylinder in the water and reducing the strain on the moving parts, which results in excessive wear and noisy operation. The consequent smooth running, absence of vibration and reduced friction make for ease in starting, quiet operation and high efficiency. The electric pump may either be hand controlled or automatic, the gasolene type hand starting and automatically [illegible].

Moving parts in these pumps are mounted on parallel upright steel columns which withstand the shock and vibrations better than a cast-iron [illegible]. Other advantages are the reduced weight, lighter parts, the ease of assembling, and accessibility. Two types of cylinder are used—one for wells of considerable depth, the other where the greatest possible capacity is desired from a well of given size. Frost-proof attachments and drinking-water-direct-from-the-well features can also be provided.

Another organization, which we will designate as "D," sends to all prospective purchasers of their equipment, information blanks to be filled out, from which complete specifications and detailed costs of either a [illegible] or an electric-powered water supply will be submitted. Estimates are quoted either on material or on the complete installation.

A unique system put out by this company provides combination electric and gasolene power, thus assuring [illegible] in case of [illegible]. Either power may be had alone, if preferred. Or one of the company's other equally good models may be recommended by their expert as more suitable to local conditions.

Many refinements of technical construction mark these fine machines, such as accessibility of the working parts and easy regulation of the pump capacity to the flow of water. Storage tanks in varying sizes are built to architects', engineers' and underwriters' specifications. They are tested to air and water pressure 100 per cent greater than the working pressure before shipping, and are coated inside with a special metal-preserving, non-poisonous enamel paint to prevent corrosion.

This same company highly recommends a type of equipment for the deep well which is somewhat newer in home use though it embodies a principle long used in industrial machinery. Rotating wheels take the place of the plunger and the water is raised by centrifugal force. Noiseless operation, long life and great satisfaction more than offset the somewhat greater first cost.

Company "E" recommends its deep well systems, not only where the water always lies below the 22-foot level but also for wells less than 22 feet to the waterline but where the level may fluctuate according to season. Their sales and engineering departments stand ready to advise on planning installations and selecting the proper equipment.

A departure is made from the standard design, eliminating connecting rods and crossheads, giving great strength combined with simplicity. As the pump is small and compact, installation is possible in limited spaces or close to walls and very little head room is required. A fresh water take-off may also be supplied.

"E" will furnish the power head alone or a complete water system, supplying from 109 to 432 gallons per hour while the heavy duty equipment made by them will provide from 400 to 7700 gallons per hour.

In choosing the water system, a highly individualized problem is presented. For the requirements and water conditions vary in almost every case. But for every situation a satisfactory system can be provided and the manufacturers' representatives are the best advisors in solving this all-important contribution to modern home comfort.

Recent Developments In Building

(Continued from page 110)

drawn in or, thrown the other, will cause stale air, smoke and odors to be exhausted. Depending for protection upon secrecy rather than patents, the inventor does not tell us just how it is that his silencer operates. Suffice it to say that a very untried body freely passes air in and out, trapping the noise. Efficiency of the unit has been amply established by long testing.

IMPROVED OUTLETS

IF you are considering modernization of electric service, or if you are tired of searching for holes when trying to insert a plug in a convenience outlet, you will be interested in the single and double outlets designed with a finding ridge which finds the slots for the plug prongs. When the prongs are pressed on the curved depression of the face of the outlet, they are guided along tight into the slots. And there is also a locking ring to be used for attachment to single outlets. It makes a permanent connection between cap and receptacle, any twisting or pulling of cords will not pull them apart. The cap is very easily locked or unlocked by a slight turn of the swivel bracket.

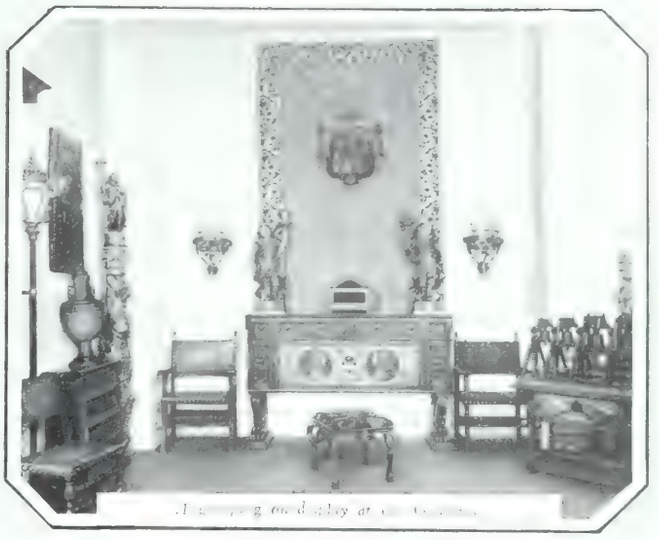


An original Louis XV Boiserie Room on display at our Studio. Chair (right) signed by Malot. Commode signed F. Foliot, Circa 1750. Antique Louis XV Sofa is covered with tapestry of the period

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with *Colorful* Natural Stone

Blending its glorious autumnal hues with the enduring grandeur of virgin stone, Briar Hill *Golden Tone* Wall Facing artistically combines permanence with individuality and charm . . . The beautiful all-stone residence illustrated, is a striking example of the distinctive effects which may be achieved with this matchless building material . . . Just visualize your "dream" home enriched and distinguished with the warm, friendly colors of this natural stone. ¶ Write for our free Ashlar Wall Facing Booklet HM, showing this sandstone in its own beautiful colors and picturing numerous attractive Briar Hill homes. Blue prints cheerfully estimated without obligation . . . you will be surprised at the moderate cost of this exquisite wall facing.

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SHOPPING at this famous establishment is not only a gay adventure but a practical demonstration as to where to find the cleverest of the season's domestic and imported novelties for the home. Home entertaining is the vogue these days and, of course, one wants to be as well equipped for the added pleasure of one's guests, as for the comfort and convenience of the family. *Come and see* "what's in the wind." Or, *send for special folder.* May we put you on our mailing list?



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'The House of Fine Housewares'



The thrill of the chase is captured in a three-panel fire screen on which two horses are taking a difficult jump. Designed by Thomas Wood

The Return Of The Wrought Iron Silhouette

Maud Robinson

THE present interest in silhouettes and decorative metal has brought on a revival of the ancient art of hand-wrought iron pictures. In olden days iron was used to show the coat-of-arms or to express pictorially the profession or trade of the man whose portal or fireplace it adorned.

Nowadays metal craftsmen draw original designs to be carried out in silhouette cut from sheet iron and used for decorative purposes. The choice of subject matter varies through a wide range of appeal and suitability. It may be purely decorative or it may, as with those of the past, be definitely illustrative of an activity or an idea. The big game hunter, the fox and hound enthusiast, the bird hunter, and even the golfer, find their sports represented. The adventurer, as well as he who only dreams adventure, finds a satisfying silhouette. In a word, they bring to life a man's avocations, his hobbies and tastes, his dreams and his more real.

In spite of the fact that iron is supposed to be man's metal, it is frequently used for decoration in a woman's room. A woman whose hobby is her garden may find iron silhouettes to be placed over the doors of her cutting or rustic tool houses on her estate. Each one represents a different aspect of the pastime kept within. A Victorian scene of a cabriolet, a gallant and a romantic belle is a design recently created by the Hammacher craftsmen for a woman's summer living room, of the type where Godey silhouette prints would usually be employed. An iron wall sconce and coat rack, along with other gay iron silhouettes, the walls of a young child's playroom.

The favored way of placing the iron pictures is over the fireplace. Most of the newer types of hearth lend themselves very well to this idea as they have flat sections over the mantel. In place of the more usual picture, tapestry or sheet of mirrored glass that would be used here, one of these silhouettes forms a charmingly different substitute. Outstanding beams and flat pillars in country houses lend themselves well to such decorative treatment; also spaces over doorways and bare wall sections, generally in the type of room where some more definite form of wall decoration than the usual picture seems indicated.

While the silhouette may be tinted in polychrome fashion, the present tendency is to leave it in the natural color of the metal. White plaster walls make a particularly good background to bring into sharper relief the strong dark outlines of the iron picture.

The informal room, the library and the man's study are specially suited to this type of decoration. And in all rooms devoted to games and sports—gun rooms, locker rooms, etc.—these iron scenes are both appropriate and effective. In this connection is illustrated an overmantel decoration using as its motif a duck-hunter with his dog and the two birds he has raised. The thrill of the chase is captured in a fire-screen on which two horses are taking a difficult jump. A Western round up ornaments the fire-screen in

(Continued on page 142)



The flames become part of the picture in this sunset scene in iron for which the embers make an appropriate background. Thomas Wood



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MORNING, noon and night—every minute of the 365 days in the year—a General Electric Refrigerator pays definite dividends on every dollar of its purchase price.

Cash dividends in food-saving. *Health* dividends in preserving the wholesomeness of milk, meats and vegetables. *Time* and *labor* dividends for busy housewives, who must plan and prepare a thousand and one meals each year.

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Small operating cost is inherent in General Electric design. The Monitor Top—sealed in ageless steel and permanently oiled—is proof against air, moisture, rust. Its small, quiet motor runs at a cost of but a few cents a day. So efficient and trouble-proof that you can forget what "makes it go."

Invest your refrigeration money where it will bring the greatest possible returns. A very small down payment puts a General Electric in your home. Easy terms make its savings immediately possible.

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Monitor Top—Hermetically sealed like a MAZDA lamp, the "On Top" refrigerating unit is permanently oiled and protected against air, dirt and moisture.

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ELECTRIC WATER COOLERS





Eugene Schoen, Architect — Carpet furnished by F. Schumacher & Co.

This actual color photograph, showing the library of a home on Park Avenue, New York City, gives you some idea of the beautiful, unmarred surface of Collins & Aikman Carpet. All sorts of individual color patterns are possible with this new idea. You can even design your own carpets!

MIRACLES STILL COME TO PASS!

THIS NEW CARPET IS

seemingly seamless

THIS IS NEWS—not only of a new carpet—but of a new idea in carpets. An idea so revolutionary that all preconceived notions about carpets are changed overnight. For the new Collins & Aikman Carpet, selling at the price of ordinary narrow carpet, is *seemingly seamless* when laid!

To avoid the marring effect of stitched seams, broadloom carpet, until now, has been the choice of "the fortunate few." But the use of carpet woven on a wide loom has been limited because of the added cost. Now comes the new Collins & Aikman Carpet, apparently seamless when laid in a room of any size or shape—and the cost per yard remains as low as that of narrow-width carpet with unsightly welt-sewn seams.

Collins & Aikman Carpet comes in 54-inch widths. It is a beautiful pile carpet, with a new kind of back. The back, composed of a resilient material, locks the pile, prevents it from pulling out, and allows the carpet to form its own selvage when cut. No binding is needed. It is laid by pushing edges together, and joining them on the back with a tough web of strapping. On the face, the thick pile meshes, and covers the place where one width meets another.

Even in these times, we *can* conceive of people who wouldn't be excited over the money to be saved by this idea. If there be such, they will be interested in Collins & Aikman Carpet for the reasons that have made decorators receive it with enthusiasm. Individual color combinations! Special designs, made up to harmonize with the decorative scheme of a room! Consult your decorative adviser, who probably knows all about Collins & Aikman Carpet. Or write for our free illustrated booklet—which will give you some carpet-ideas you never dreamed of before. . . . Address your letters to Collins & Aikman Corporation, 25 Madison Avenue, New York City.

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his method of window screening is OUT

rou love your home — if you want r house to look its best, you'll let ning mar the beautiful, slender s which the architect has so harniously worked into its window gns.

Rolscreens of Pella obviate the ightliness and light obstruction t are unavoidable with widemed, flat-type screens. Installed the inside of windows, they are not y inconspicuous, but their innurable conveniences and economical g life make them really amazing their appeal.

Rolscreens of Pella roll up and down—like a window shade

ey're permanent . . . there when want them; out of the way, on den rollers, when you don't.

A touch of the thumb releases the ring, and the screen rolls up—tomatically.

No obstructed vision when windows e closed. No troublesome taking wn screens in the fall. No storage ace required. No messy dusting, inting, repairing, matching and tting up screens in the spring.

No gathered dirt on them — to be aten against windows or to soil eeze-blown draperies . . . Rolreens clean themselves in rolling.

No breaking mesh or rust-made holes. Rolscreens are made of special electro-plated "AluminA" wire-cloth, with reinforced selvedge, that will far outlast their TEN-YEAR GUARANTEE.

No sagging or bagging; no insects can get in at the edges . . . Rolscreen mesh is locked in at top, bottom and sides. Even a heavy accidental blow can do no harm — it merely disengages the lugs from the guides; and the lugs instantly go back in place when screen is rolled.

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Resolve now that this year Rolscreens shall beautify your home and bring you comforts and conveniences you've never before enjoyed. We've told only half the story here. Send coupon below for Rolscreen booklet. It'll bring you complete information—and enable you to understand why their fifteen patented features make Rolscreens *of Pella* by far the most beautiful, practical and economical rolling screens you can buy. *Any* size or type of window — in old or new home — can be quickly Rolscreened.

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Please send illustrated booklet showing how Rolscreens can add beauty, nvenience and utility to my home.

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treet_____ City and State_____



"What!?? ELEPHANTS tramping across my rugs?"

NO, not actual elephants — but if they did tramp through your house, you could *see* how their crushing weight would destroy your rugs. Yet you and your family pound — pound — pound across your floor coverings, each footstep a hammer blow *with the weight of the body behind it* — grinding the fabric against the floor!

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"WHAT? Is *that* all brass pipe costs?"





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Are *you* considering a new home? Then do the economical thing—equip it with Chase Alpha Brass Pipe.

For brass pipe *isn't* expensive. By using Chase Alpha Brass Pipe instead of rustable pipe, you'll add about three-quarters of one per cent to the building cost. On a $10,000 house, that comes to only $75.

And that same percentage holds good no matter what your house costs.

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Dooryard Gardens Bring Charm

(Continued from page 93)

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English And American Pewter

(Continued from page 108)

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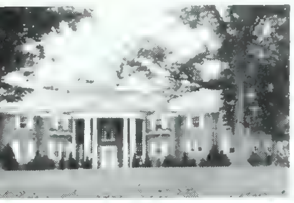
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Tudric Pewter: English, 1903 and later; trade name for fine pewter made in vogue of the day.

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QUALITY" *Rustless Insect* are "tailor made"..Guaran- it...artistically designed... nent, life-long investment..



ce of Mr. Thomas Taggart, Jr., French [illegible], Indiana. Fitted with "KANE [illegible]TY" Screens and Metal Weather Strip. Architect: D. A. Bohlen & Son Contractor: Wm. J. Jungclaus

ust as much difference in screens s between the poorest of con- and the best of construction in a et there is a surprisingly small e in price.

UALITY" *Rustless Insect Screens* est that money can buy. They are ly to individual measurements, tted by trained "KANE QUAL- reen Experts. They harmonize rchitectural design of your home. manufactured of the best materi- will prove as permanent as the itself.

Anaconda Bronze Screen Fabric frames may be of selected wood, galvanized steel in any color or ANE QUALITY" *Rustless Insect* re made in all types, including the Screens which remain in place ntly and are pulled down like a shade when needed.

or beautifully illustrated booklet telling mplete story of "KANE QUALITY" *Rustless Insect Screens*

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Venetian Blinds

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Standards of Modern Smartness



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It will give you authentic information about period furnishings . . . and the newest hints on the selecting and making of draperies, on painting furniture, on hanging pictures. It can help you do wonders with the things you already have, or, if you prefer, start with the bare walls and build an entirely new interior of freshness and charm.

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"WHAT? Is *that* all brass pipe costs?"





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'ANE QUALITY" *Rustless Insect* reens are "tailor made"..Guaran- ed to fit... artistically designed... permanent, life-long investment..



Residence of Mr. Thomas Taggart, Jr., French Lick Springs, Indiana. Fitted with "KANE QUALITY" Screens and Metal Weather Strip. Architect: D. A. Bohlen & Son Contractor: Wm. J. Jungclaus

ere's just as much difference in screens there is between the poorest of con- uction and the best of construction in a me. Yet there is a surprisingly small fference in price.

KANE QUALITY" *Rustless Insect Screens* e the best that money can buy. They are ade only to individual measurements, d are fitted by trained "KANE QUAL- Y" Screen Experts. They harmonize th the architectural design of your home. urdily manufactured of the best materi- s, they will prove as permanent as the ilding itself.

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"KANE QUALITY"
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"KANE QUALITY" *Venetian Blinds* are the smart new mode in window treatment, adding a distinctive note of colorful charm in any home. Offering a new conception in comfort control by bringing soft, even daylight in place of harsh glare, they make perfect ventila- on possible without direct drafts. No me is truly modern without this new nvenience. Write for the interesting mplete story.

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No. 922 Maple Colonial Chest Or Cedar. No. 923 Maple Sofa and Arm Chair, partly hand-rush seats. No. 900 Chippendale Hall Bench. Mahogany. Maple.

Our new 1931 catalogue just prepared, brings you, in more than 150 illustrations, some idea of the variety and beauty of Richter Reproductions. These fine copies of Early American and English pieces preserve in every detail the spirit of classic furniture styles. We shall be glad to send you a copy of the catalogue, if you will enclose ten cents with your name and address.



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Ordinary windows have bothersome outside screens . .

FENESTRA Steel Casements are now equipped with attractive metal framed, bronze mesh screens, attached or removed from the *inside*. They're put on or taken off in a jiffy, but it's easier to leave them in place the year round. They're almost invisible either from within or without and Fenestra Casement hardware is so designed that the window opens, closes or locks *through* the screen but without once touching it.

You'll like the other Fenestra Casement features too: easy washing from within the room; more light; better control of ventilation; finger-touch operation without warping, swelling, sticking; weather-tight closure without need of weather-strips. And all this at a price as little as the cost of ordinary windows!

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2247 East Grand Boulevard Detroit, Michigan

Fenestra

STEEL CASEMENTS SCREENED



Peonies, Tulips and Oriental Poppies are as subject to the benefits of periodical overhauling as other hardy flowers. These are in the Pliny W. Williamson garden at Scarsdale, N.Y.

Revamping The Hardy Border

(*Continued from page 62*)

and find young plants to take their place. The old plants should be pulled apart and rejuvenated.

Certain plants—Heucheras, Violas and *Campanula persicifolia*, for instance—are easily pulled apart into tufts with the fingers; heavy roots of Phlox, Michaelmas-Daisies, Heleniums or Peonies will require more drastic measures. A good method with plants of this type is to insert two strong hard forks back to back well down in the clump below the crown and to wrench them strongly outward in opposite directions. If the clump is very old and matted, a sharp pruning knife may be resorted to to divide it into neat sections. A spade is too harsh an implement to use in dividing plants.

In all this, of course, rejuvenation is the end we are working toward. For this reason the best and most youthful divisions only should be retained for replanting, these will be detached from the outer edges of the clump and each should be provided with an adequate root system. The old and spent portions from the crowded center of the clump should be ruthlessly thrown away. In dividing old plants, as in buying new ones, it is well to bear in mind what someone has called the fallacy of the big clump. A vigorous stripling plant, fresh and full of pep, is capable of giving far more satisfaction than a middle-aged clump, appearances and our greedy eyes to the contrary notwithstanding. Two shoots will be sufficient to allow such plants as Phlox, Heleniums, Michaelmas-Daisies, Astilbes; one to Boltonias, Aconites, Chrysanthemums.

Now that we have the plants all out of the border we may seize the opportunity to correct some of its unsatisfactory features—and these are commonly not few. Contrary to the belief generally subscribed to, there is no phase of garden practice so difficult to carry out effectively or to maintain in beauty as the so-called hardy border. Compared to it, a rock garden, a rose garden, or any other whatever, is a simple matter. Yet there is no horticultural enterprise more rashly and readily and universally embarked upon. The beginning gardener feels that if he can have anything at all he can have a hardy border and it is only after several seasons of disappointment and disillusionment that he realizes the scope of the problem he has so blithely set out to master.

What is ordinarily attempted in a hardy border is continuous bloom for at least five months of the year, from the first of May say, through September. This alone is difficult enough in our hasty climate where the plants are rushed from bud to bloom and on to seedhood almost in the twinkling of an eye. But if the border is to be a really satisfactory accomplishment, more than continuous bloom is required, there must be continuous foliage as well to support it, and this is less often taken into consideration. The free use of plants having fine and lasting foliage is of the utmost value in preserving freshness of aspect and contours of pleasing fullness. Among such plants may be mentioned the following: Dictamnus, Hemerocallis, Iris of many kinds, Thalictrums, Yuccas, *Baptisia australis* and *B. tinctoria*, numerous Michaelmas-Daisies, *Helianthus multiflorus fl.pl.*, Cimicifugas, *Chrysanthemum uliginosum*, *Chrysanthemum arcticum*, Phlox, Funkias (Hostas), and the

(*Continued on page 126*)

SEDGWICK *INDIVIDUAL* ELEVATOR



Illustration shows how pleasingly a Sedgwick Invalid Elevator may be installed in the home without marring its appearance.

STAIRS spell ISOLATION

in so MANY homes

where some dear one cannot or should not climb stairs

ONE has only to read a few of the many letters we have received in the past 20 years from users of the Sedgwick Individual Elevator to realize how cherished is the opportunity to travel freely from floor to floor, instead of being confined to one room or one floor. Almost invariably these letters include an expression such as: "If I had only known about this Elevator years ago!"

The cost of a Sedgwick Individual Elevator is moderate, and our new deferred payment plan now makes it possible for those with limited incomes to enjoy the many benefits without delay. Let us tell you all about this Elevator, how safe it is, how easily you can have it installed, and how it gives years of service without costing a cent for upkeep or operation.



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- FUEL
- LIFT

Brings the fuel close to the fireplace. No need to carry a heavy load of coal, wood or logs through the house, spreading dust and dirt. The cost is small. A great convenience.

A SEDGWICK TRUNK LIFT too . . . for houses where heavy luggage and bulky furniture are frequently moved between floors.

We urge you to write for full particulars about these Sedgwick lifts. Illustrated booklets will be gladly sent upon request.

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ENGRAVED

Trinity Text is smart and new; comes exclusively in Genuine Engraving

ENGRAVED STATIONERY MANUFACTURERS ASSOCIATION

Quality Pewter



The name Poole assures quality in several important respects. The Pewter itself is made after an old English formula which forbids the use of lead.

The weight of each piece is unstinted.

Poole craftsmanship is famous both for authentic reproductions of antique masterpieces and for modern designing.

Pewter by Poole mellows beautifully with age but does not tarnish—it is unaffected by liquid contents.

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by Sarah Stevens

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For the walls I selected a waterproof paper in salmon pink and gold. Then—a shower curtain striped in coral, green and lavender, a soft bath rug in shrimp pink and sea green and cream towels bordered with green dolphins.

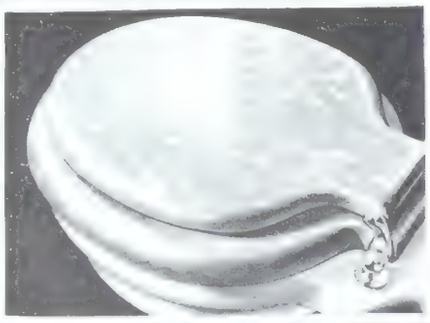
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I really would appreciate a book on bathroom modernization. I am enclosing 10c to cover mailing costs.

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CITY STATE

Revamping The Hardy Border

(*Continued from page* 124)

gray-leaved plants, *Hymenocallis arenaria*, *Kniphofia grisea*, *Nepeta mussini*, and several Artemisias.

The border maker must indeed know his material. As he begins to replace the freshly divided plants, and probably to add new ones, many things must be kept in mind concerning them. He should know when they bloom, how long they continue to bloom, their height, color, the character of their foliage and general habit of growth, as well as how they carry themselves after the blossoming period is past. It must be remembered, too, that in border gardening it is not the individual plant but counts but the mass. Here the collector's urge must be subordinated to the point of view of the artist; he must not play favorites but plant always with a view to the ultimate effect. To this end the planting should be done in groups or drifts, the number of plants in the groups depending upon the dimensions of the border, and the effect will be most satisfactory when no uniformity of line is attempted. Some tall things may be brought towards the front of the border and lower growing kinds allowed here and there to run back into the interior so that a gently undulating effect is created. Plants giving the longest service in bloom, or possessing fine and lasting foliage, are wisely vouchsafed the greatest prominence, with the more ephemeral kinds used as delightful incidents. When it comes to color, as the border is to be viewed as a whole, harmony is more pleasing than contrast, though the colors employed may be as brilliant as desired. But contrast of form, either in flowers or foliage, is always desirable. Thus plants of such contrasting character as Lupines and Bearded Iris, Gypsophila and Poppies, Hollyhocks and Bocconia, *Veronica spicata* and Eryngiums, Delphiniums and Thalictrums, *Lavatera olbia* and *Salvia sclarea*, set each other off uncommonly.

DISTRIBUTING GROUPS

Many a border appears well furnished until after the tall stalks of the Delphiniums have been cut down in July when, unless the planting has been done with knowledge and discernment, it begins to have a ragged and unkempt appearance. To prevent this lamentable lapse of seemliness we should in replanting the border distribute the groups of plants so that they will hide each other's imperfections and deficiencies, as well as enhance each other's beauty. In front of Delphiniums, Anchusas and Thermopsis, for instance, whose tall stems are cut down after flowering, leaving unsightly blank places, there should be placed some plant of enduring foliage and good form. Thus *Thalictrum glaucum*, set in front of Delphiniums not only gives us pleasure by mingling its feathery yellow plumes with the blue spires, but later forms an effective screen when the latter must be cut down. Bushy plants of the taller Michaelmas-Daisies set in generous groups in front of Hollyhocks will hide their shabby aftermath and bring a later blossoming to this section of the border. *Baptisia australis* may be used for the same purpose and blooms before the Hollyhocks. At the front of the border *Nepeta mussini* serves as a most useful screen for low growing Lilies whose day is short, as well as providing them with a becoming setting at the time of flowering. The low broad bulk of Aster Mauve Cushion is also good for this purpose.

No one will want to forego the pleasure of Foxgloves or Canterbury-Bells in the borders, yet these famous biennials leave us sadly in the lurch when their blossoming period is past. To get around this embarrassment they may be interplanted with Gladioli or Galtonia to bloom later, or set in narrow drifts between plants that will later mask their departure. Michaelmas-Daisies of bushy habit, such as *Aster acris* or *A. ericoides*, may be planted behind them and the slender, spray-like branches later drawn down to meet the low growing plants in front of them. All plants of narrow, slender growth, such as Aconites, many Mulleins, especially the slender creamy Miss Willmott, *Pentstemon barbatus* and the like, should have a rather bushy foreground planting—*Chrysanthemum nipponicum* in front of the Aconiter, perhaps; the rose Loosestrife in front of the Verbascum Miss Willmott; Erigeron Quakeress in front of the Pentstemon. Gysophila set behind Oriental Poppies or *Campanula persicifolia* is a famous aid in distracting our attention from their lost charms, and if the low-growing Heath-like Aster, Peggy Ballard, is placed in front, the gap is completely filled.

END PLANTINGS

Border ends should be especially well turned and neatly planted. Very effective for an end planting is a generous grouping of the large-leaved *Saxifraga cordifolia*, with Gypsophila Bristol Fairy massed behind it and behind this again a generous planting of *Veronica spicata*. Or in place of the Saxifrage the Blue Plantain Lily, *Hosta caerulea*, may be used and behind it a spreading mass of *Geranium sanguineum album*, which holds its nicely rounded form, once it is established, long after its blooming is over. Back of this there might be a solid planting of Hemerocallis, or the blue-spiked *Salvia virgata nemorosa*.

A few well shaped stones placed at irregular intervals along the edge of the border will break its severe length and provide reason for introducing mats of Aubrietia, Arabis, Creeping Phloxes and other rock-loving plants. Alternating groups of white Pinks and Nepeta make a border verge of great charm and one that is fresh and seemly throughout the season. Another good edging combination that has to recommend it a very long period of blossoming is Viola Jersey Gem, Heuchera (one of the brilliant hybrids) and mats of blue and white *Campanula carpatica*. It is important to establish a few late-flowering perennials near the front of the border and for this purpose none are better than Aster Mauve Cushion, Aster Peggy Bal-

(*Continued on page* 132)

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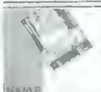
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Planting And Seeding Seasons

(Continued from page 83)

a close approximation of the period during which operations may be undertaken in a normal season.

It has been possible to restrict information of some kind, in most cases very accurate and valuable, covering all of the United States east of the 95° meridian, and on the West coast. The unclassified areas west of this meridian as shown on the maps are generally arid, mountainous or desert, and even if information were available it is not likely that much use could ever be made of it in the planting of ornamental woody plants or lawn grasses.

Planting seasons, of course, vary from year to year from the average or normal season, both in length and occurrence by calendar dates. It may generally be safely assumed that when seasons open early, either in the spring or fall, they will be of unusual length, but that when they open late they will be shorter than the average. This is because, while the law of averages works to even up the minor variances from the normal seasons, the spring planting season will seldom be prolonged past the normal ending date due to the observed tendency of all deciduous plants to produce leaves and blossoms on schedule after a certain date in late spring. In the autumn also, the [illegible] of the [illegible] brings unfavorable weather which may work at about the same time each year, except in abnormal seasons.

MOVING PLANTS

A planting season is considered in hand, as to the best time of year to do planting work with normal care, and not the whole of the possible time when success may be secured by taking unusual precaution such as moving at abnormal cost with a liberal "ball" of earth to protect the roots. When crops are grown, the factor to be considered in determining the planting season are the condition of the soil and the available light, heat and moisture. When plants such as trees and shrubs are moved, the condition of the plant itself is a very important consideration. For best results the plant should be dormant or nearly so in the vast majority of cases. Unless the plant is to be moved with a ball of earth so large as not to disturb the root system, the time of year when new root growth takes place must often be considered in selecting which season or part of a season is the best for any certain kind of plant. This requirement applies especially to evergreens.

The more experienced planters can, by taking extra precaution suited to their particular localities, oftentimes extend planting seasons to an abnormal length. This is at best a risky procedure and only normal planting seasons for normally grown and handled plants are considered in this compilation. A normal planting season is considered to be one in any part of which a plant can be moved with an average, or better, chance of becoming immediately reestablished, and resuming growth as quickly as the then existing or next growing season permits.

Since the terms "evergreens," "deciduous" and "lawn grasses," while covering the different materials used in all sections, vary somewhat in meaning in different places, the following explanations may help to explain the charts. The term "evergreens" is somewhat variable, applying only to coniferous evergreens such as the Pines, Spruce, Arborvitæ and Firs in the extreme North. Along the Atlantic seaboard it is broadened to include the broad-leaved evergreens, such as the Rhododendrons and Mountain Laurel. In the Southern States and along the lower Pacific Coast the term also applies to such broad-leaved evergreens as the Camphor Tree, the Cherry Laurel and others. In southern California and Florida the term includes practically all the materials used in ornamental planting except such plants as are strictly tropical or the deciduous fruit trees.

PLANTING EVERGREENS

Evergreens are generally best planted just as top growth begins in the spring, or in the fall just before growth stops, especially when moved without a ball of earth about the roots.

Any of the Pines, Spruces, Firs and Hemlocks which make their largest growth in the spring and form new roots, new tops and next year buds before August 15, as a rule can be successfully moved in the autumn when climatic conditions permit. Hemlocks in the North, are often moved with best results in the spring season. Some kinds of Austrian Pines can be moved as late as the first of October with good results, without abnormal precaution to protect roots with a large ball of undisturbed soil. The Junipers and Thujas, in which the sap flows late in the autumn, are better moved in the spring, unless moved early and as soon as the fall rains start.

In Florida the broad-leaved evergreens should preferably be transplanted during the summer season or while in active growth, except those plants previously grown in pots or tubs, or balled and burlapped, which may be transplanted at any time during the year. Palms are usually classed as broad-leaved evergreens and are best transplanted just as growth starts—or while in active growth—since the roots are large and fleshy and soon decay if not in active growth. These and other strictly tropical plants are generally best moved from February to October.

In spite of the common and increasing custom of moving evergreens of all sizes with a ball of earth to protect their roots, the total length of their planting seasons tends to stay at a very moderate increase over the length of the seasons for deciduous plants because of the large loss of vital moisture by transpiration from their persistent tops, both during summer heat and winter cold. If plants do not become well reestablished before the onset of summer drought or winter freezing, results of moving are likely to be unsatisfactory if not a failure.

In the North, the general rule is that all deciduous, hard-wooded material transplants readily at any time while not in leaf, but farther south, due no doubt to the long growing season, there is in addition a short season in midsummer when plants may be successfully moved if cut back heavily

(Continued on page 130)

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PEONIES—Sixty Acres of all varieties. Write for May Phil Lutz Peony Farm, Reynolds, Ind.

MISCELLANEOUS—CONT.

$2.00 SPECIAL COLLECTION OFFERS: 100 Calif[illegible] Privet 2-10 [illegible] Rosebushes [illegible] Geraniums 12 Spirea [illegible] Cottage Garden [illegible] $2.00. 12 Glad[illegible] 1 Specimen [illegible] 1 Evergreen Bagon Tree [illegible] Inc., [illegible] Calif. [illegible] 2-1 H[illegible] $2.00. 2 Rose [illegible] Trees 7-10 $2.00. 50 New Rose [illegible] $5.00. 10 Weeping [illegible] 10 Flowering Shrubs [illegible] Evergreen Seedlings [illegible] Trees, Shrubs, Vines, Plants, Bulbs [illegible] Pine, Oriental Arborvitae and Hedge. We is all first class, not just small mail order plants. Schwartz Nurseries, R-1, Lawrence, Penna.

YOUR FREE COPY of "Old Time [illegible] await your reply. Includes [illegible] with them, a real Spring Planting Plan [illegible] to a copy of "How to make an Old Time [illegible] New Brunswick Nurseries, New Brunswick, N. J.

GORGEOUS HARDY ORNAMENTAL GRASSES. Nothing more decorative on Y[illegible] or Plume, Ravenna, Arundo, Japanese, Eulalia, Zebra, Blue Oat, etc. Strong size plants. All 3 $1 Postpaid. L. F. Weaver, Nurseries, Winfield, Kansas.

GERBERA or TRANSVAAL DAISY. Rare, easily grown, brilliant color and [illegible] beautiful for [illegible] alike. Prepaid box of 50 [illegible] blooming [illegible] $10.00. Grand Island Nurseries, Lafayette, Penna.

DOUBLE RED SUNFLOWERS. Many new singles and hybrids. New rare beauties. $2.00. Wm. C. Wilson, St. Charles, Mo.

WATER LILIES AND AQUATICS. Write for our illustrated catalog. Woodland Gardens, Van Nuys, Cal.

PEONIES

PEONIES: for spring planting. Prices [illegible] Oberlin Peony Gardens, Saluda, Virginia.

PEONIES—Sixty Acres of all varieties. Write for May Phil Lutz Peony Farm, Reynolds, Ind.

ROCK GARDENS

RAREST ALPINE SEEDS—2000 vars. Hardy [illegible]

ROCK GARDEN AND ALPINE PLANTS. A most [illegible]

OUTSTANDING EXTREMELY HARDY ROCK [illegible]

THE BEST SEDUMS AND SEMPERVIVUMS. The [illegible]

"IN AND ABOUT THE ROCK GARDEN". Send [illegible]

WOLCOTTS LIMITED. [illegible]

SEEDS OF ALPINE and Rock Garden plants. [illegible]

UNUSUAL [illegible]

ROSES

ROSES—To learn about the care and selection [illegible] Rose of national interest. The American [illegible] read by [illegible] of Petersburg. "A Little Book About Roses" [illegible] Rose [illegible] Virginia.

12 ROSE BUSHES. Teas and Perpetual, in different [illegible] $5.00. To [illegible] Hess Glass Nursery [illegible] Grape Vines 2 year $1.00. In Bloom Ready [illegible] & Co., Box 25, Caldwell, Ohio.

ROSES. New varieties of merit and [illegible] Send for [illegible] Special Spray Booklet. Write for [illegible] Adams, Belmont & Adams, Ridgefield, New Jersey.

SHRUBS

TREE PEONIES. Twenty of the newest and finest [illegible] Tree Peonies [illegible] Fern Nurseries Co., Box 196, Western Park, Pa.

LILACS [illegible]

BOXWOOD: [illegible]

AZALEAS. [illegible]

RHODODENDRON. [illegible]

TOOLS

GARDEN TOOLS [illegible]

TREES

FLOWERING TREES [illegible]

VEGETABLES

NEW GIANT CRIMSON RHUBARB. WORLD'S [illegible]

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As a unique mart of merchandise, embracing the varied interests of gardening, these advertising pages offer their helpfulness to you.

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House & Garden recommends these advertisers to your consideration. You will find it an advantage in dealing with them, as a result of the messages they send you in these pages, to identify yourself as a House & Garden reader. It enables them more closely to approximate your desire for further messages in these pages.

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BEARING FRUIT TREES—Standard and Dwarf Apple trees, leading new and best varieties, fruiting will save year of waiting. Also other sizes from one year old up. Bearing Dwarf Pears. Bearing Filberts. Complete list of fruits. Lloyd George, the great, new, large, English, high quality red raspberry mosaic resistant. Flowering Japanese Cherries up to 10 and 7 feet tall, also smaller. 20 kinds of Evergreens. Lilacs, some in pot clumps or their own root. Flowering Apples and a fine selection of plant and shrubs. Last sold free. Samuel Frace, Box 158, Geneseo, N. Y.

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WILSON'S AWINC—Petroleum Spray. Non poisonous, concentrated. Controls sucking & chewing insects. Mexican Bean B. Weevil. Complete requiring dilution with water. Andrew Wilson, Springfield, N. J.

WILSON'S SCALE-O—Powerful dormant spray. Kills scale insects and eggs even in winter. Mixes readily in cold water, covers rapidly. 1 gallon $2.5 gallons $9. Andrew Wilson, Springfield, N. J.

WILSON'S O. K. PLANT SPRAY—Clean, non poisonous, easy to apply. Controls Red Spider, Green and Black Aphis, White Fly, etc. 1 gallon $3., 5 gallons $13.00. Andrew Wilson, Springfield, N. J.

WILSON'S WEED KILLER—Clean, inexpensive, 1 gallon Weed Killer to 30 gallons water. Kills weed, poison ivy, etc. One application a year. 1 gal $2., 5 gals. $8.00. Andrew Wilson, Springfield, N. J.

MISCELLANEOUS

1 NEW MOERHEIMI BLUE SPRUCE $1.25. Very rare. Bluer and better than Koster. Blue Spruce Shoots, grafted plants 6-10 in. 5 year seedling roots 2 to 3 $2.25, 5 to 8 $5.00 and 100 for $85.00. 1 New Japanese Bloodleaved Maple 8-12 inches $1.25. 1 Hardy Japanese Magnolia Soulangeana 8-12 in. $1.25. 1 Bloodleaved Beech 8-12 inches $1.25. 5 New Japanese Bloodleaved Barberry 4-8 in. $1.25. 5 New Beauty Bush (Kolkwitzia) pink 4-8 in. $1.25. 3 New Hardy (Butterfly Bush) B. alternifolia $1.25. 3 New Korean Chrysanthemum Splendid Novelty $1.25. 3 Yellow Delphinium Zalil. Very rare $1.25. All above 69 roots, 25 Rare Plants, postpaid only $9.75. 10 Hardy Rock Garden Plants. Finest varieties $1.25. 10 Hardy Climbing Roses 2 yr. field grown $5.00. Also Choice flowering Trees and other Hardy Plants. Add 15c for postage for each collection. Thomsen Nursery Company. (Catalog Free) Mansfield, Pa.

NATIVE PLANTS

NATIVE CYPRIPEDIUMS. Moccasin Flower Small Yellow Lady Slipper, Large Yellow Lady Slipper, Showy Lady Slipper, 3 each 1 variety, pounds labelled, $2.50. Catalog of perennials, rock garden plants and Wisconsin Wild flower seed on request. W. A. Toole, of Garry-nee-Dule, Baraboo, Wisconsin

COLORADO MOUNTAIN FLOWERS add perennial joy to the rock garden. Catalogue, "New or Noteworthy Plants and Seeds", mailed free. Darwin M. Andrews, Boulder, Colorado

HARDY FERNS & Rock Garden Plants. Fernlich Nursery, Ackley, Minnesota

RARE NATIVE ROCK PLANTS. Lilies, Azaleas, Aquatics. Clarice Nye, Prospect, Ohio

HARDY WILD FLOWERS [illegible] Neva C. Belew, Harmon, Oklahoma

PERENNIALS

RANUNCULUS BULBS—The Giant French Double Buttercups on long stems in lovely pastel shades. Rare beautiful and easy to grow. You will find them in your garden $2.00 for 25. $3.50 for 50. $6.00 for 100. Hundred prepaid. Mail Seed Co., 140 Madison Ave. at 29th St., New York City.

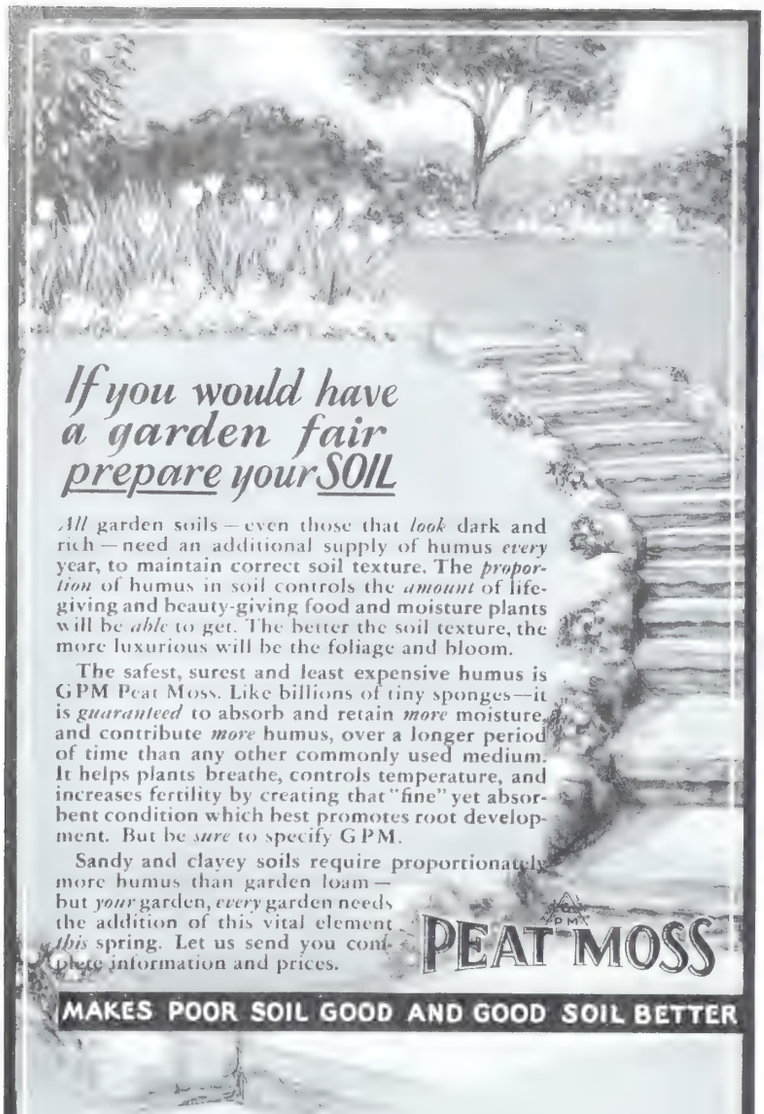
THE EXQUISITE NEW VIOLET "Rosina". Lovely old pink, very hardy, more [illegible] than large violet. Plants 25 for $2.00 postpaid. Mrs. Horace Grower of rarely perennials, Green Brook Gardens, Scotch Plains, N. J.

NEW PERENNIALS. Phlox, Potentilla, Sidalcea, Cimicifuga, and Rock Garden plants in many varieties listed in our Spring Booklet. Send for Booklet P. Bobbink & Atkins, Rutherford, New Jersey.

FLOWERS—25 exquisite flowering Gladiol[illegible] bulbs $1. Fine Japanese Iris $1. Delphinium Peonies. Free. Write R. H. Jones, Deerfield.

HARDY PERENNIALS and Rock plants. We specialize in Lupins and Delphiniums. Catalogue on request. Chequamegon Flower Gardens, Washburn, Wis.

FRAGRANT VIOLETS: List free or culture booklet 25c. Valley Violet Co., Rhinebeck, N. Y.



If you would have a garden fair prepare your SOIL

All garden soils—even those that *look* dark and rich—need an additional supply of humus *every* year, to maintain correct soil texture. The *proportion* of humus in soil controls the *amount* of life-giving and beauty-giving food and moisture plants will be *able* to get. The better the soil texture, the more luxurious will be the foliage and bloom.

The safest, surest and least expensive humus is GPM Peat Moss. Like billions of tiny sponges—it is *guaranteed* to absorb and retain *more* moisture, and contribute *more* humus, over a longer period of time than any other commonly used medium. It helps plants breathe, controls temperature, and increases fertility by creating that "fine" yet absorbent condition which best promotes root development. But be *sure* to specify GPM.

Sandy and clayey soils require proportionately more humus than garden loam—but *your* garden, *every* garden needs the addition of this vital element *this* spring. Let us send you complete information and prices.

GPM PEAT MOSS

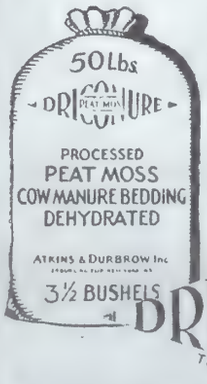
MAKES POOR SOIL GOOD AND GOOD SOIL BETTER

...At last Nature's own fertilizer... odorless·concentrated·safe

Driconure is a pure organic compost of vegetation that Nature has been composting for perhaps a thousand years; added to which is fresh cow manure and the whole dehydrated to concentrate and strengthen. The result is a most unusual fertilizer—Nature's own method of feeding. And Nature's method is always best... produces better results... better color... better all-around satisfaction.

No finer combination of materials could ever be prepared by human ingenuity—none that will give as satisfactory garden results. Nor will you find anywhere a fertilizer that both feeds your plants and builds up a reserve at the same time—except in DRICONURE. It is the greatest advance in fertilizing and soil building that has been made in many generations. Odorless, free of weed seeds, every bit will feed your plants without waste, for its food value is *held* at the plant root level until it is all used. You are also safe in the assurance that *it will not burn*.

Try this age-old friend in its new form. Literature on request. 3½-bushel bags of fifty pounds, $2.50 f.o.b. Juliustown, N. J., or through your local dealer.



DRICONURE PEAT MOSS TRADE MARK

ATKINS & DURBROW, INC.
A-25 BURLING SLIP, NEW YORK, N. Y.

Planting And Seeding Seasons

(Continued from page 130)

at the time of transplanting. Where fogs occur or the air is naturally moist, such as in west Oregon, Washington and north California, the deciduous plants may often be moved when partly in leaf or they may be stripped of leaves wholly or in part, but generally their planting season is covered by the periods when they are not in leaf and when the soil is in favorable condition.

Different parts of the country use different kinds of lawns. In the north, lawns are usually made of Blue Grass, Fescues, Bents, or hardier Grasses which are sown from seed. During recent years, Creeping Bent lawns propagated by vegetative methods have been much used. Most northern Grasses may be planted at any time after the growing season opens until hot dry weather begins, or in the fall after hot weather is past and until the approach of cold weather renders the probability of successful growth unlikely. Grass seed sown so late in the fall that it does not germinate, customarily lies dormant until spring without any harm, and this results in a very early start for the plants from the seed. This explains some of the late planting seasons shown on the chart at Stations 8 and 16, especially where the young Grass plant or germinated seed are covered by a blanket of snow in winter. Spring sown seed must not be sown too late or the intense sunshine will "cook" the young plants. Extra abundance of watering cannot successfully overcome this disadvantage except in some of the northernmost States, such as Montana, where winter drought and deficient sunlight at other seasons make summer sowing of Grass an exception to the generally preconceived rule. Grass seed must be sown in the fall sufficiently early to allow for some growth of the grass, otherwise the young grass is apt to be winter killed. The end of the suggested season for sowing seed in different parts of the country takes this fact into consideration.

NORTH DAKOTA

The charted locality having the shortest planting season is North Dakota. Here, because of strong winter winds and the rigors of the climate, fall planting of evergreens or deciduous material is inadvisable. Proceeding east, west and south of this State, one first finds a winter season of five months when planting operations are impossible. This winter season gradually shortens with the lengthening of both the fall and spring seasons, until one finds a continuous planting season during the entire year except for the hottest months of the summer; and finally, in the far South, one finds an almost unbroken planting season through the whole year. Thus we have in reality two distinct portions of the country. In the northern portion, the dormant or winter season is divided into two parts by unfavorable cold and freezing weather, and in the southern one the possibility of planting throughout the whole year is interrupted by an unfavorable summer drought.

The charts and the map also show how the nearness of large bodies of water influences the length of the planting seasons by decreasing the severity of the winters. This is especially well shown by the difference between eastern Washington (Station 17) and the Puget Sound and Willamette Valley or western portion of the same State (Station 48). The influence of the Great Lakes upon all shores except Bruce Peninsula and Georgian Bay territories is also shown.

Few places in the United States have more difficult planting and seeding problems than the North Dakota plains. On account of light snowfall and extremely cold, dry winters, all fall planting of evergreens and deciduous materials is likely to be unsuccessful except in a wet season or when the plants receive constant and copious watering until frozen in for the winter. Winter-killing is a very common occurrence even amongst the native trees such as Cottonwoods. Lawn seeding is successful only during a rainy season and when done in normal seasons from April 15 to June 15 and from August 15 to September 7. Later seeding is always doubtful and inadvisable, while seeding during the period from June 15 to August 15 is generally inadvisable even under irrigation.

MONTANA

In Montana (Station 21) drought again makes fall planting of deciduous trees very inadvisable because they do not become sufficiently well established to withstand the severe winters, whereas evergreens, which can be moved before deciduous plants become dormant, are more successful. Lawns are successfully seeded from April through July, if enough water is available. Seeding of lawns during August or September is not advisable because of winter-killing where grass is not well established.

In the upper Mississippi Valley (Station 9) the beginning of the spring planting season varies greatly, depending upon the date when the ice and snow begin to melt or break up. Lawns can be successfully seeded all summer if water is available. Fall seeding not so successful unless sowed after October 25 to lie dormant all winter.

In Iowa (Station 18) only the hardiest plants should be moved in the fall, but lawns succeed best from fall sowing when properly watered and established before winter weather.

About Detroit (Station 16) the fall planting of evergreens has proved very unsatisfactory and considerable winter killing occurs in all fall planting, especially in those fall seasons following a dry summer. No lawns should be seeded, as a rule, after September 30 unless seed is sowed just before freezing weather and allowed to lie dormant over winter.

Severe fall and winter climates make lawn seeding along the Maine coast and evergreen planting about Pittsburgh, very risky and unsuccessful in the fall. About Buffalo, also, spring planting of evergreens is considered much more likely to be successful, especially if done as soon as indications of new growth appear. August and September seeding of lawns in this section has been very satisfactory when

(Continued on page 132)

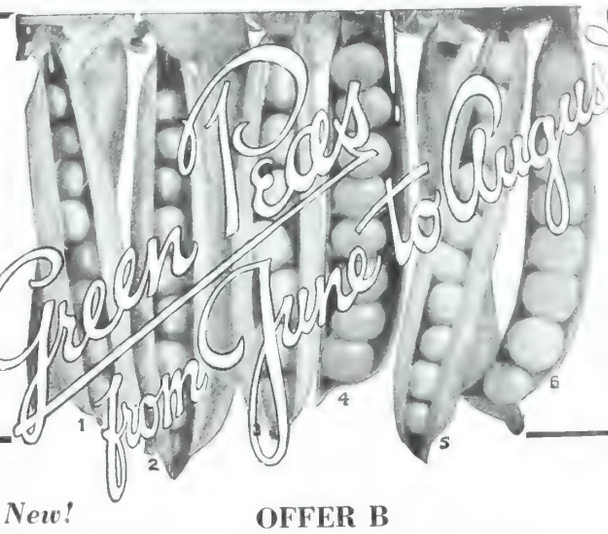
A Page of SCHLING SPECIALTIES for 1931!

Last Minute Novelties and Recent Introductions!

Do You Know This Secret?

GREEN PEAS, *and plenty of them, from June to August—if you follow the simple directions.*

Plant this collection of 6 choice varieties **all at once** this Spring, just as soon as the frost is out of the ground—and they will mature in the order named producing a steady procession of big, mouth-watering crops from about June 20th till late in August. The reason for this is evident. Peas must develop their roots in the cool weather and so are able to supply sufficient moisture to keat, flower and pod as they rapidly multiply under the summer sun. On the other hand late planted peas are almost always a disappointment, as every experienced gardener knows.



Schling's "Long Season" Pea Collection

Schling's Pedigree Extra-Early [illegible]

Gradus or Prosperity [illegible]

Sutton's Excelsior [illegible]

Dwarf Champion [illegible]

Improved Telephone [illegible]

Heroine, 1 to [illegible]

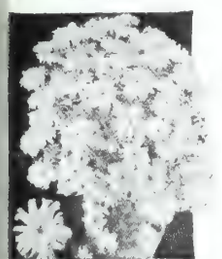
— 1—½ lb. each of all 6 varieties, 3 lbs. in all $1.75
— 2— 1 lb. each of all 6 varieties, 6 lbs. in all 2.75
— 3— 2 lbs. each of all 6 varieties, 12 lbs. in all 5.00

[illegible] Beyond, add 5c per lb for postage.

OFFER A

Novelties of 1931—Absolutely New!

A $14.65 Value for $12.00



Edelweiss Aster (Offer A)

Edelweiss Aster—Snow White—First of a new line of asters, very dwarf and floriferous, 10- to 12-inch plant covered with snow white flowers resembling Alpine Edelweiss. Perfect for bedding. Pkt. 75c

Ageratum Mexicanum Nanum, Rosabella—An exquisite new deep rose variety. Very dwarf, and with Ageratum Blue Cap below is unsurpassed for border planting. Pkt. 75c

Ageratum Blue Cap—A decided improvement on Little Blue Star. Each little plant forms a compact dome of blue flowers. Pkt. 75c

Arctotis Breviscapa Aurantiaca—Another lovely golden yellow daisy from Africa with purple center. Flowers very freely. Pkt. 50c

Aquilegia Crimson Star—A new Columbine with brilliant flower of a dark, rich crimson, carried on long graceful stem. Pkt. 75c

Hardy Spring Flowering Aster, Subcaeruleus, Wartburg Star—Huge Daisy like flowers of bright lavender blue, 4 inches across, on 28 inch stems. Bloom in May and June. Extremely effective with white daisies and gaillardias in bed or vase. Pkt. 75c

Orchid-flowered Dahlia—A very unusual star-shaped annual Dahlia in white, red, orange or canary yellow. Its long twisted petals, often with contrasting colors on front and back, make it a novelty of very distinctive effect. Pkt. 50c



Nicotiana, Crimson Bedder (Offer A)

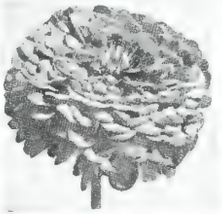
Nicotiana Affinis, Crimson Bedder—Deep crimson flowers, borne freely on 15 inch plants. A splendid bedding plant. Pkt. 60c

Gypsophila Pacifica—A new and very hardy Baby's Breath white pink blossoms form a wonderful contrast to G. Paniculata, the white variety. Unexcelled for flower arrangements. Pkt. 75c

Eryngium Amethystinum—A charming perennial whose bright teel blue flower heads may be picked and dried for a winter bouquet. Also very effective in the border. Pkt. 50c

Pentstemon Spectabilis, Blue—An abundance of bell shaped flowers of richest blue carried on 4 to 5 ft. spikes. A beautiful rarity. Pkt. 35c

Lychnis, Forresti Hybrids—Very decorative for the rock garden. Long showy panicles in charming shades of crimson, carmine, pink and white. April to May. Pkt. 75c



Dahlia-flowered Zinnia, Golden Dawn (Offer A)

Giant Scabiosa, Loveliness—Very unusual in form and color, a delicate salmon rose. Delightful fragrance. Pkt. 50c

Papaver Nudicaule Delicatum—A new and worthy rival to the famous Coonara Pink. Delicate rose color. Pkt. 75c

Double Heliopsis, Golden Yellow—A much improved and very double variety of brilliant golden yellow, borne on plants often 3 to 4 ft. high. Pkt. 35c

Ursinia Anethoides, New Hybrids, Jewels of the Veldt—A delightful stranger from South Africa with flower petals of a rich orange contrasting with a center varying from ruby red to dark purple, spangled with jewel-like dots. Blooms June to September. Pkt. 50c



Ursinia Anethoides, New Hybrids, Jewels of the Veldt (Offer A)

Petunia Hybrida Grandiflora, Queen of the Market—A magnificent new Petunia of the most vivid scarlet. Flower 2½ in across, petals slightly waved. A profuse bloomer and wonderful in bed or window box. Pkt. 75c

Petunia Hybrida Nana, White Cloud—A grand new dwarf hybrid. Large pure white flowers borne on stiff stems 1 ft. tall. Pkt. 75c

Petunia Hybrida Nana, Cockatoo—Very dwarf and compact (8 in. tall). Flower petals deep velvety violet, tipped with white. Very striking in bed or rockery. Pkt. 50c

Viola Cornuta, Lavender Gem—A profuse, all season bloomer with even larger flowers than the great English favorite Maggie Mott. Rich deep lavender in color. Pkt. $1.50

African Orange Marigold, All Double—A brand new California triumph! Produces 100% of fully double blossoms. Pkt. 35c

Ursinia Anethoides, African Orange Daisy—Brilliant orange flowers, two inches across, deep purple tone, borne on long, wiry stems. Pkt. 25c

Dahlia-flowered Zinnia, Golden Dawn—Enormous blooms of a pure golden yellow. Very striking. Pkt. 50c

OFFER B

Schling's "Get Acquainted" Collection

a $3.25 Value for $1.00

Schling's American Beauty Aster—Gigantic flowers, 7 inches across, 3 ft. stems, same color as American Beauty Rose. Pkt. 35c

Schling's New Orange Glory Calendula—Golden orange, perfect form. Very double. Pkt. 25c

Schling's New Annual Double Fringed Hybrid Chrysanthemum—In a charming color range, very attractive in both garden and vase. Pkt. 15c

Schling's Semi-double Crested Cosmos—Of giant size with double rosette like center. Pkt. 25

Schling's New Hybrid California Poppies—Lovely new shade of pink, scarlet, chrome, copper red, chartreuse, etc. Pkt. 25c

Schling's New Giant Hyacinth Flowered Larkspur—Excels all others in length of stems, size of flower spikes and general vigor. Pkt. 35c

Schling's New French Marigolds—Glorious Rich velvet brown, blotched on brilliant velvety scarlet. A very gem. Pkt. 75c

Schling's New Erysimum, Orange Beauty—Pale orange-yellow, wallflower like spikes. Delightfully fragrant. Pkt. 25c

Schling's New Giant Early Flowering Pansy—World Record—Flowers of immense size on long stems. In bloom from March to December. Pkt. 25c

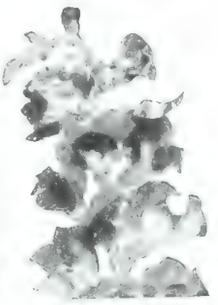
Schling's New Marvelous Dahlia-flowered Zinnia—True Aristocrats. Flowers 6 to 7 inches, like huge dahlias. Pkt. 40c

"Indian Summer"

Latest and Loveliest of Schling's New Supergiant Snapdragons

Marvelous not only for size, though its flower spikes rival the gladioli in height and vigor—but also for its **color**, a rich velvety copper red hitherto unknown in snapdragons and quite enchanting. Beautiful—no other snapdragon remotely approaches it. A "First Prize" winner wherever exhibited.

1 pkt. $1.00 6 pkts. $5.00



Snapdragon Indian Summer

OFFER F

Glorious Gladioli

100 for $3.50



Gladioli

Choicest Mixture—Including all the latest and most beautiful varieties such as the lovely Primulinus or Orchid Gladioli, running a gamut of subtle pastel shades from ivory yellow to an iridescent bronze, only mark the finest strain collection. Start planting April 25th and every 3 weeks thereafter to July 15th and enjoy a long procession of beautiful blooms. A $7.00 Value for only $3.50 or 50 Bulbs for $2.00.

OFFER G

Twelve Prize Dahlias!

At the amazing price of

$5.00

gives you the greatest value ever offered on any dahlia collection. Regular catalog prices total $21.75. By a special arrangement we are able to offer a limited number of these Dahlia collections consisting of 12 choice tubers in 12 named varieties, at a **truly remarkable** price concession. They are all selected varieties that will be the pride of your garden for years to come.



Dahlias

OFFER H

Montbretias

[illegible] flower clusters, in every shade from deep orange to pale yellow. Plant in clumps or beds, 3 in. deep and 3 in. apart. Mix [illegible] Plant the bulbs in April and May for [illegible] bloom.

25 Bulbs for $2.00
50 3.85
100 7.50



Montbretias

OFFER I

Giant French Poppy Anemones

Marvelous poppy-like flowers in wonderful [illegible] Blue with white center, Pink with bronze base, Crimson and apricot shades in endless profusion. Fully a week earlier than the [illegible] Plant bulbs in May 2 inches deep.

25 Bulbs for $3.00
50 5.50
100 10.00



Giant French Poppy Anemones



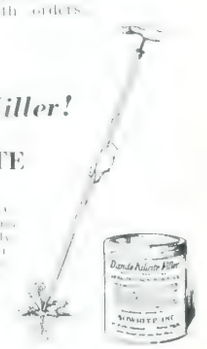
Includes [illegible] as can be set all large seed, such as in the Offer above, with the skill of the [illegible] seed Sower. Price [illegible] ..$1.00

Book for Garden Lovers—a guide to better gardens. 35c a copy. Free with orders.

At last!

A Perfect Weed Killer!

DANDO KILLRITE



No [illegible] no [illegible] Destroys [illegible] pot or by sprinkling. Kills [illegible] weed easily and quickly by [illegible] a small quantity of the Killrite chemical at the heart of each plant. **Absolutely harmless** to all animal life, hands and clothing.

Dando Killrite $3.00 each
Killrite Filler 60c a can

Schling's Seeds

Max Schling's Seedsmen, Inc.
Madison Ave. at 59th St. New York City.

I enclose $ [illegible] Send me Green Peas ☐ Offer A ☐ Offer B ☐ Indian Summer ☐ Offer F ☐ Offer G ☐ Offer H ☐ Offer I ☐ Sowrite Seed Sower ☐ Dando Killrite ☐ "Book for Garden Lovers" ☐

NAME [illegible] ADDRESS



The Bartlett Way

A cavity technic
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THERE are two patented features in all cavity work by Bartlett which only Bartlett clients enjoy. Vick's Nuwud, available only in Bartlett surgery, is the famous light-as-wood filler that is resilient and weaves and flexes with the tree in the wind. There are imitations of Nuwud, which unscrupulous imitators often call by the same name. Only Bartlett can use Nuwud—and only Nuwud is recommended for your trees.

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Planting And Seeding Seasons

(*Continued from page* 130)

carefully done and all spring seeding requires constant sprinkling except in a rarely wet season.

In eastern Washington, June and July are the best season for lawn seeding. In this section, irrigation is necessary for the most successful results and midautumn sowing of Grass seed avoids the necessity of combating annual lawn weeds which appear in early spring sowing and which mature during the first growing season and cause much difficulty.

Eastern Oregon has not been classified on the map or charts but may be roughly divided as follows: The central portion of this part of the State has almost desert conditions with a short planting season in April. North of this portion there lies an area where irrigation makes planting feasible, but only in early March. In the southeastern part of the State, there is a cold and dry area where a short planting season is found in April. Conifers and broad-leaved evergreens are seldom used throughout the eastern portion of this State, excepting the native Pine and Juniper.

In northern California, lawns are usually most successful when they are planted in the fall. This part of the State has two growing portions, (a) the coastal plain and (b) the interior valley. Along the coast from San Francisco northward, in the fog belt, properly "hardened off" evergreens can be planted during August very successfully, and in the environs of San Francisco they may be planted throughout the whole of the year.

In Washington, D. C., while it is possible occasionally to continue planting operations through the whole winter, fall transplanting work must be suspended during December and January.

In August, evergreens may be planted during October, November, February and March, but in New Mexico fall planting of any sort is inadvisable on account of wind and consequent frosts.

In Nova Scotia, Prince Edward Island, Cape Breton and Newfoundland, broad-leaved evergreens may be planted in the spring beginning a little later than the coniferous evergreen planting season and ending about June 10. It is not considered advisable to plant *broad-leaved evergreens* in the fall in these four provinces.

The following notes are given as the probable explanations of three or four instances where the map divisions do not, at first glance, coincide with a logical arrangement.

The short season zone of the Carolina coastal plain (Station 38) and central Georgia (Station 43) is explained by the necessity of all the planting being normally done during a single short winter season each year.

The relatively large number of planting days in the zone in which lie Pittsburgh, Pa. (Station 25) and Cincinnati, Ohio (Station 35) is undoubtedly due to the effect of the broad upper valley of the Ohio River. Central Kentucky (Station 34), which lies immediately south of this zone, lacks this influence and has a longer period of winter inactivity.

Southern Maryland and southern Delaware (Station 24) have a relatively short planting season because they have a long growing season and a long winter, while Long Island (Station 33) has abnormally long planting seasons due to a normal growing season and a very long but comparatively open winter.

The divisions on the map correspond in a general way to the life zones shown on the map published in Bulletin 10 of the Division of Biological Survey, U. S. Department of Agriculture, entitled Life Zones and Crop Zones, by C. Hart Merriam, which gives an additional check upon the probable correctness of the divisions shown on the accompanying map. The life zones, in the bulletin noted, were arrived at by plotting the periods of physiological activity in plants, whereas the zones shown on the accompanying map were plotted from the data sent in by competent observers of the dormant period, which is the reverse of Merriam's method but arrives at almost identical conclusions.

The division lines between the different portions of the map are at best only approximate, and in some instances are hypothetical. Thus the lines dividing Florida into two parts and dividing the California-Oregon coastal plain are instances of this sort.

The study of planting and seeding seasons is extremely interesting. This study points to so many interesting variations in planting conditions that the possibility of exactly defining the reasons governing planting and seeding seasons in all localities seems remote. The author welcomes from readers of this article any suggestions which may add to the fund of information compiled to this time upon this important subject.

Revamping The Hardy Border

(*Continued from page* 126)

[illegible] *Clematis recta* and *Ceratostigma plumbaginoides*, which is our old friend the blue-flowered Plumbago.

Of course annuals may be freely used among the perennials if space [illegible] them. Those having a long flowering period are the most valuable. Of these are Snapdragon, Calendulas, Marigolds, Salpiglossis, Petunias, Verbenas, Stock, Ten-week Stocks and Zinnias. In making use of Tulips and Daffodils in the hardy border I prefer to plant them rather towards the back where the oncoming foliage of the perennials will later hide their untidy going off.

A well made border, one that has been deeply dug and well enriched, will support a heavy burden of plants. We need not hesitate to plant closely in order to secure an immediate effect.

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Whether you cherish the tiny loveliness of the [illegible] Forget-me-not or thrill with the gorgeous beauty of the flamboyant poppy, the House of Henderson will supply you [illegible] that will thrill you with their [illegible] development. No need of [illegible] seed when Henderson's are available. The folly and wastefulness of experiments with less dependable [illegible] the use of Henderson's Tested Seed.

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Aquilegia Crimson Star. Long spurred hybrid. Beautiful [illegible] the Columbines hitherto offered. This novelty bears [illegible] flowers [illegible] brilliant dark crimson [illegible] and is most compelling [illegible] its subtle charm. Packet 50c.

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Poppies. Double Featherball, a great globe like [illegible] paper or feathers, unique among the annual types. Price, 10c a packet, 1,000 seeds for 25c. **Giant Double,** [illegible] Annual [illegible] with 4" to 5" double blooms, from purest white to most [illegible] crimson. Packet 10c, ounce 50c. **Giant Shirley,** famous [illegible] blossoms that keep opening for weeks, [illegible] white, rose, slate blue or scarlet. Packet 1[illegible], one each of [illegible] for $1.00.

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ESTABLISHED 1892

The Gardening Guide

(*Continued from page 99*)

DECIDUOUS TREES (For Southeast and Gulf States)

NAME	HEIGHT	CHARACTER AND USE
Elm (*Ulmus*)	100'-125'	Thrives even in the lower South; in addition to the American Elm, *Pumila* and *Alata* may be used.
Oak (*Quercus*)	75'-100'	Laurel Oak (*laurifolia*), Willow Oak (*phellos*), and Pin Oak (*palustris*) are especially good.
Plane (*Platanus*)	80'-100'	Unsurpassed for street planting and for large shade trees.
Varnish Tree (*Koelreuteria*)	25'-35'	The popular "Golden-rain" tree; yellow flowers in August and September, resists drought; moderately long lived. D.
Nyssa (*Tupelo*)	40'-60'	Picturesque growth; fine fall color; moist soil.
Paulownia	35'-45'	Very large leaves; rounded spreading head; trumpet-like fragrant purple flowers, May-June.
Eucalyptus	100'-150'	Splendid, especially in lower South; many varieties; rapid growing; long lived; evergreen in milder sections.
Magnolia, Pink	15'-20'	The Saucer Magnolia; tender; prefers southern exposure; splendid lawn specimen.
Albizzia (Mimosa, Silk Tree)	25'-30'	Fern-like foliage like Acacias; pink fragrant flowers; hardy to southern New Jersey; fast grower.
Chinaberry (*Melia azedarach*)	30'-40'	Rounded top; dense shade; panicles of lavender flowers yellow berries; very rapid growing, not long lived. D

EVERGREENS (Southeast and Gulf States)

Pine (*Pinus*)	40'-100'	Numerous Southern species, some in dry sandy soil, others in swamp land; Long leaf (*palustris*) and Loblolly, native "Yellow" P. do well under many conditions
Araucaria	25'-30'	Tropical looking but fairly hardy; variety Excelsa graceful.
Cedar (*Cedrus*)	100'-125'	Tall graceful pyramids, unusual fern-like foliage; Atlas is hardiest; Deodar fine; Cedar of Lebanon more tender; good drainage; sheltered position.
Cephalotaxus (Plum Yew)	8'-30'	Hardy to Washington, in sheltered positions to Philadelphia; habit similar to Irish Yew.
Cryptomeria	30'-50'	Very Japanesque in habit; dense rich green foliage, bronze in winter.
Juniper (*Juniperus*)	3'-40'	Northern Redcedar is native to Florida, also Southern type (*J. lucayana*); innumerable horticultural forms; foundation and group planting. D.
Yew (*Taxus*)	3'-40'	Many species and varieties, including native *T. floridiana*; hedges, foundations, groups. S.
Torreya	40'-60'	Handsome, Yew like foliage; shiny green foliage, dense growth, *taxifolia* in Southeast, *California* in Southwest
Bald Cypress (*Taxodium distichum*)	60'-75'	Deciduous evergreen, narrow upright growth, drooping fern-like foliage; native of swamps but thrives on ordinarily dry soils.
Live Oak (*Quercus virginiana*)	40'-60'	Wide spreading branches, forming tent of dense shade; slow growth, long lived.
Holly (*Ilex*)	30'-40'	Splendid small tree for landscape planting; native and exotic varieties thrive; individual specimens; hedges, mixed planting.
Magnolia grandiflora	30'-40'	Typical tree of the South, producing heavy shade; street planting; individual specimens; deciduous towards northern limits.
Yucca	10'-30'	Beautiful Fern-like foliage; yellow, lemon, or cream blossoms; evergreen in mild climates; graceful and charming.

EVERGREENS SHRUBS (Southeast and Gulf States)

Abelia grandiflora (Glossy Abelia)	5'-6'	Charming, easily grown; foundation planting, border, individual specimen; tiny Arbutus-like flowers, midsummer to frost; deciduous toward northern limits; hardy to southern New Jersey.
Coral Ardesia (*A. crenulata*)	5'-6'	Decorative foliage, coral red berries; quite tender; lower South and Gulf. S.
Aucuba japonica (Gold-dust Plant)	6'-10'	Spreading, shrubby, broad green leaves spotted gold, hardy to southern New Jersey. S.
Azalea	5'-10'	Wide variety; most prefer sun, some in partial shade; Indica especially fine; acid soil; summer mulch. S.
Camellia japonica	10'-20'	Small tree, shiny evergreen foliage, gorgeous blossoms in early spring, fairly moist soil, sheltered, tolerates partial shade.
Cestrum	8'-12'	Spreading, with climbing tendency; fast growing, slender, needs support; tender; lower South; Nocternum for night fragrance.
Cotoneaster	2'-6'	Excellent for foliage, flowers and berries; many hardy deciduous sorts are evergreen here. D. R.
Privet (*Ligustrum*)	10'-20'	Several glossy leaved evergreen varieties, such as Lucidum; hedges, mixed borders, foundations; extremely satisfactory. S.
Lantana camara	3'-6'	For low growing hedges; continuous bloom; foundation planting, mixed shrubbery border.
Nerium Oleander	12'-15'	Slender, upright shrub, clusters of single or double pink flowers; fragrant; some shade; specimens, or shrubbery border, requires pruning. D
Pittosporum	6'-20'	Large shrub or small tree; good proportions and foliage; white fragrant flowers; especially near coast.
Nandina domestica (Heavenly Bamboo)	6'-8'	Dense, shrubby, Fern like foliage, bronze in winter; unusual, easy, satisfactory; hardy to southern New Jersey. S.

DECIDUOUS SHRUBS (Southeast and Gulf States)

Crape Myrtle (*Lagerstroemia*)	8'-25'	JUNE-AUG. Broad, rounded, spreading; cut back and water freely for second blossoming, especially good in Gulf States.
Hibiscus, Chinese (*H. rosa-sinensis*)	8'-25'	MAY-DEC. Tender branching shrub, excellent hedge or individual specimen; small tree in sub-tropics; Maple-like leaves, very large flowers all season.
Jasmine (*Jasminum*)	3'-12'	MAR.-NOV. Many varieties; mostly fragrant; semi-climbers; foundation plantings; porch, pillars, mixed border.
Coral Bean (*Erythrina*)	2'-3'	MAY-AUG. Small shrub, long sprays of Pea-like blossoms; red berries; very decorative.
Pomegranate (*Punica*)	3'-12'	APR.-SEPT. Showy orange-scarlet flowers, exceptionally ornamental fruit; dwarf form excellent low hedge; groups; pot or tub plant for porch; *granatum* hardy to Washington, D. C.
Tamarix	10'-20'	MAR.-OCT. Shrub or small tree, willowy branches, feathery foliage, delicate sprays of pink bloom; varieties for succession, back of border, hedges, stands salt winds. D.-S.
Southern Crab (*Malus [pyrus] angustifolia*)	10'-20'	APR.-MAY. Beautiful native shrub, fragrant pink blossoms in early spring, easy, shrubbery border, specimens.
Chaste Tree (*Vitex*)	15'-20'	JULY-SEPT. Bushy, upright, panicles of lavender flowers, new variety, *Macrophylla*, fine for late bloom

Mail shrubs from Northeast and Northwest

(*Continued on page 136*)

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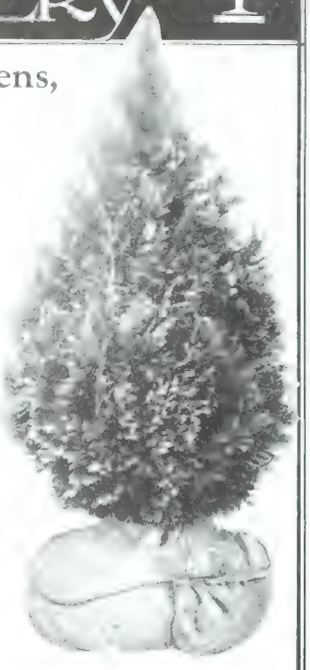
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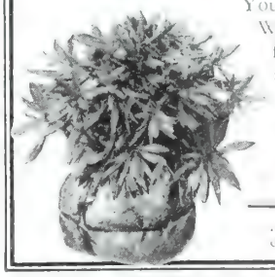
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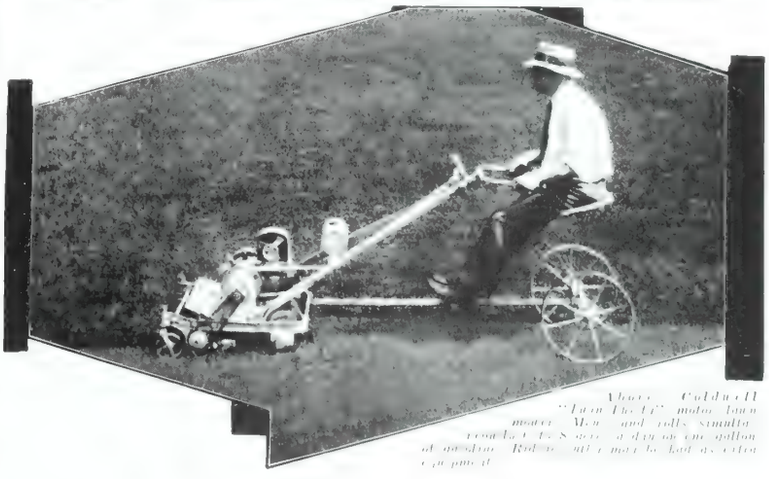
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From the raw materials to the dignified durable Cyclone Fence protecting your property, you can find the reasons for this outstanding leadership. In the exclusive manufacturing processes. In the special analysis copper-steel used. In the superior design. In the exacting erection methods. And finally, in the countless years of dependable protection it affords.

Yet Cyclone Fence costs you no more. A Cyclone representative located near you will gladly show you why. He has a crew of trained erection men to install your fence on short notice. The Cyclone Fence Company is back of him. Get Cyclone prices before you buy. Phone, wire or write for information.

Cyclone Fence
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CYCLONE FENCE COMPANY
General Offices: Waukegan, Illinois

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Pacific Coast Division: STANDARD FENCE COMPANY, Oakland, Calif.

SUBSIDIARY OF
UNITED STATES STEEL CORPORATION

Cyclone—not a "type" of fence—but fence made exclusively by Cyclone Fence Company and identified by this trademark. © C. F. Co., 1931

The Gardening Guide

(Continued from page 134)

VINES (Southeast and Gulf States)

NAME	HEIGHT	CHARACTER AND USE
Coral Vine (*Antigonon*)	[illegible]	Charming tender bulbous root, one of the best to cover stone and cement; continuous bloom, graceful delicate foliage; trellises; tender to frost but starts again S.
Jasmine (*Jasminum*)	8'-12'	Some hardy, fragrant. Several varieties, winter or early spring flowering S.
Carolina Jessamine (*Gelsemium sempervirens*)	10'-30'	Early flowering. Native small fragrant yellow flowers in [illegible]. Delicate evergreen, thickets, trellises, veranda, easily transplanted.
Bougainvillea	10'-15'	Paper-like, long lasting crimson flowers, April to November; requires support other than supports, if injured by frost cut back. Crimson Lake best variety. D.
Cape Jasmine (*Gardenia*)	20'-30'	Glossy evergreens. Evergreen Bignonia with pointed leaves, orchid-like flowers. Coast, porches, summerhouses.
Wisteria (*Wisteria sinensis*)	25'-35'	Early spring. Clusters of beautiful deep clear yellow 3" blossoms, long green long, narrow shining leaves.
Lantana (*Lantana camara*)	[illegible]	Semi-climbing, trailing. Semi-climber, on trellis or other support; banks or walls; heads of small lavender flowers.
Plumbago capensis		Semi-climbing, trailing. Continuous bloomer, attractive blue flowers; ground or bank cover or low trellis.
Cup-of-Gold Flower (*Solandra guttata*)	[illegible]	Twining. Gorgeous blossoms, deep ochre yellow; broad leathery leaves; vigorous; porch; house-wall, tree, pergola.
Climbing Fig (*Ficus pumila*)	10'-15'	Clinging. Small clinging heart-shaped leaves; delicate tracery; rugged work or solid cover. D.
Asparagus (*Asparagus*)	10'-30'	Twining. Thin wiry stems. Fern-like foliage; beautiful vine, and splendid for use with cut flowers. S. *Last practically all recorded for Northeast and Northwest.*

PERENNIALS AND ANNUALS (Southeast)

Nearly all the same perennials and annuals used in the more northern States are available for the South. The culture is somewhat altered by climatic conditions. Many of the hardy annuals become perennials. Flowering many of the true annuals may be planted in late fall—October-December, instead of in [illegible] the North.

Many of the perennials, on the other hand, are best treated as annuals. Some of them do not thrive where they can not have the long period of rest accorded by northern winters. Started early they will flower satisfactorily the first season.

DECIDUOUS TREES (For the Southwest)

NAME	HEIGHT	CHARACTER AND USE
[illegible]	[illegible]	Stands considerable drought. English remains green [illegible]. Chinese Elm does well, *parvifolia* is evergreen in South. D.
Locust (*Robinia*) Catalpa	40'-60' 50'-[illegible]	Excellent; European and Canoe species do well. Irregular spreading branches, good shade; good color throughout season.
Liquidambar (Sweet Gum)	50'-[illegible]	Pyramidal. Maple like foliage, good substitute for Maple.
Poplar (*Populus*)	50'-100'	Very fast growing for shade and temporary use. Balm of Gilead much more permanent; Carolina Poplar for Arizona and alkaline soils. D.
Arizona Ash (*Fraxinus velutina*)	25'-30'	Extremely rapid grower, doing well in alkaline soils and drought; also near coast. D.
Cottonwood	50'-75'	Thornbur variety for Arizona and inland; extremely [illegible] greener excellent shade. D.
Pseudo Pepper (*Schinus molle*)	50'-60'	Large, spreading, graceful; light green foliage; drooping [illegible] easily grown, any soil, excellent shade.
Mulberry (*Morus*)	15'-30'	Several varieties, including Silk Worm Mulberry (*multicaulis*); Kingan has less fruit but is best for Arizona and [illegible]. D.
Coral Tree (*Erythrina*)	15'-30'	Small tree usually about 15'; *E. humeana* considerably taller; corky bark; crimson or scarlet butterfly-like flowers; unusual garden specimen.

EVERGREENS (Southwest)

[illegible] Sequoia	[illegible]	Redwood and Big Trees do quite well beautiful even when young, avenue and roadside, individual specimens for [illegible] grounds.
[illegible] (*Cedrus*)	75'-100'	Many varieties. Deodar successful over wide range, vigorous grower, dignified but graceful.
Incense Cedar (*Libocedrus decurrens*)	30'-50'	Beautiful and satisfactory evergreen; branches in whorls; [illegible] Coast Monterey.
Cunninghamia (Chinese Fir)	30'-50'	Narrow pyramidal, bluish green foliage; good for inland [illegible] others will not thrive. D.
Arizona Cypress (*Cupressus arizonica*)	30'-40'	Tall, narrow, dense column; deep green; best in northern California; [illegible] 6' to 8'.
Montezuma Cypress (*Taxodium mucronatum*)	50'-60'	Beautiful, somewhat similar to Redwood but more spreading and graceful. Lacy cut aromatic foliage.
Pine (*Pinus*)	40'-60'	A number of native and exotic species do well under southern Cal. conditions; especially Monterey Pine (*P. radiata*); dense growth, light green; Torey Pine, Japaneseque, thrives near coast.
Fern Pine (*Podocarpus gracilior*)	[illegible]	Unusual bushy evergreen, light green, finely cut Fern-like foliage; easy, wide range. S.
Broad-Leaved Eucalyptus	25'-125'	Fine and satisfactory tree; completely naturalized; wide range of form; individual specimens; tall screen; naturalistic planting.
Camphor Tree (*Camphora*)	[illegible]	Big but slow growing, uniform shape; dense bright green glossy foliage with spring coloring; street parkings and lawn specimens.
Pepper Tree (*Schinus*)	40'-50'	Spreading rounded head, drooping branches, beautiful foliage; pendant clusters of rose-colored berries; street parkings; lawn specimens; landscape groups. D.
California Live Oak (*Quercus agrifolia*)	40'-50'	Native, picturesque, dense spreading; sharply indented leaves; rapid grower, beautiful at all stages; good for shade, also smaller species, Canyon Oak, good lawn specimen in dry locations.

(Continued on page 138)



Seventeenth Century Charm . . .
Twentieth Century Protection . . .

French Provincial Woven Wood Fence

Imported from Southern France and bearing the storied beauty of historic chateaux . . . this sturdy "rustique" enclosure imparts quaint old-world charm to the modern residence.

Combining Continental grace with American efficiency, it effectively screens the home from annoying highway lights and disturbances, protects the grounds and acts as an ever watchful guardian of privacy.

Constructed entirely of live chestnut saplings bound firmly together with copperweld rustproof wire, it staunchly resists the attacks of time and weather.

French Provincial Fence comes in five-foot sections 6'6", 4'11", 3'10", 18", ready to erect. An illustrated booklet is completely descriptive—write for it today.

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No matter where you live or what the soil and climatic conditions, Dreer's have a special grass seed mixture that will give you a beautiful lawn. Now is the time to sow seed for a new lawn or to renovate an old one, and to give the grass life and color, use one of our good fertilizers.

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describes our celebrated grass seeds and tells you how to use them for the best results. It also contains the most complete showing of seeds, plants and bulbs and with its aid you can have a garden that will be the envy of your neighbors.

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We shall pay Express or Parcel Post charges on all Roses

New Roses and Rare Roses difficult to obtain elsewhere. Roses that will give the greatest satisfaction and pleasure to amateur and expert. Roses that will do well almost anywhere.

Teas and Hybrid Teas Hybrid Perpetuals
Chinas Moss Roses Sweetbriers
Climbing Roses, and Species

All our Rose plants are field-grown, low budded, well matured, and ready to burst into abundant bloom in your garden.

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Our catalogue describes and prices nearly a thousand Roses. Their merits and demerits are clearly stated. All are classified and arranged to make selection easy. A copy of the new edition will be mailed on request to those who intend to plant Roses.

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Please mention House & Garden when writing for the Rose book.

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WILSON'S O. K. PLANT SPRAY

Don't allow insect pests to destroy the hard work of long months. Protect your plants, shrubbery and flowers by the use of Wilson's O. K. Plant Spray. . . . "The Insecticide Supreme"

1 Quart $1.00 1 gallon $3.00 5 gallons $12.00 10 gallons $20.00.

Then there is Wilson's SCALE-O . . . the powerful ***dormant*** spray so necessary to the successful growth of fruit and other trees. Scale-O kills Scale insects and eggs—even in Winter. Mixes readily in cold water . . . covers very rapidly and evenly. 1 Gallon $2.00; 5 Gallons $9.00.

WILSON'S AWING (Pyrethrum Spray) non-poisonous, highly concentrated PYRETHRUM spray. Easily controls both sucking and chewing insects of the more resistant type such as Japanese Beetle, Mexican Bean Beetle, Mealy Bug, Red Spider, Rose Chafer and Slug, Aster and Dahlia Beetle, Cabbage Worm, White Fly and many others. *Complete*, requiring only a dilution with water.

"Insects and Their Control" is the title of a new book by Andrew Wilson illustrating the various insects and scale that attack plants and trees, with directions for their control. Price $2.50 postpaid.

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The Jacobsen Roller Mower

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The Jacobsen "Estate" power mower does two things at once. It cuts. It rolls. It is a "turf-builder," a lawn conditioner. Its large traction rollers do not pack or scar the lawn. Its many refinements give it preference on the world's finest estates. Mower is built in two sizes—24" and 30."



Lloyd Franks Estate, Portland, Ore.

a Jacobsen-bred Aristocrat of the Lawn

A true replica of the famous Jacobsen Putting Green Mower. Typical Jacobsen features include auto-type differential; high speed reel for finer cutting; separate clutches for reel and traction unit controlled from steering handle. Jacobsen-built motor with a world of dependable power.



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Take nothing for granted. Let us show you on your own lawn without cost or obligation. You name the date. We demonstrate the "velvety" cut of the Jacobsen. There is a Jacobsen for every type of lawn—for cutting one to fifteen acres per day. Sales and service everywhere. Write today.

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Gentlemen: I am interested in:
☐ Jacobsen Catalog and prices. The size of my lawn is.....
☐ Free demonstration particulars.
Name .....
Address .....

Clip and Mail This Coupon

The Gardening Guide

(Continued from page 136)

EVERGREENS (Southwest)

NAME	HEIGHT	CHARACTER AND USE
Sea Oak (Beefwood) (*Casuarina*)	30'-100'	General appearance somewhat like Pine; excellent in unfavorable locations; withstanding heat, cold, dry weather, alkaline soil, street D.
Silk Oak (*Grevillea robusta*)	75'-100'	Oriental tree with very beautiful Fern-like foliage; pendant yellow flowers 6" long; fast grower, good lawn specimen; drought resistant. D.
Carob (*Ceratonia*)	35'-40'	Symmetrical form; dense glossy foliage the year round; deep rooted; long lived; street planting, individual specimen. D.
Flame Tree (Bottle T.) (*Sterculia diversifolia*)	40'-50'	Maple-like evergreen leaves, stunning background for the red cup-shaped blossoms on scarlet stems; unusual decorative tree.
Athel Tree (*Tamarix aphylla*)	25'-30'	An evergreen Tamarix, typical slender growth, gray green foliage, hedge, screen, and specimen for hot, dry sections. D.
Jacaranda	25'-30'	Handsome flowering tree, symmetrical growth, Fernlike foliage; clusters of light blue flowers in spring, decorative; will not stand much below freezing.
Parkinsonia (Palo Verde, Jerusalem Thorn)	12'-15'	Showy tree, unusual form, drooping, feathery, reedlike branches, bright yellow flowers; early summer, excellent protective hedge or screen for adverse conditions. D.
California Laurel (*Umbellularia*)	20'-25'	Dark green leaves, long and narrow, similar to Eastern Laurel; yellow flowers; black fruit; shrubbery border or naturalistic effect in landscape planting. *Also see List for Northwest and Southeast*

EVERGREEN SHRUBS (Southwest)

California Lilac (*Ceanothus*)	8'-15'	Upright or prostrating, bushy, beautiful natives; a range of species and new horticultural hybrids; shrubbery border and groups; some hardy to Oregon.
Bottlebrush (*Callistemon*)	10'-20'	Every bit the mighty at home in southern California; rapid growing; heat and alkaline soil; cylindrical flowers of scarlet, crimson, or orange; garden decorations and color masses. D.
Nerium Oleander	15'-20'	Upright, slender, succeeding throughout California and in Arizona; mixed shrub border, individual specimens in garden; less tender varieties. D.
Coffeeberry, Coffee berry (*Rhamnus*)	12'-15'	Native; deep green foliage, wide range of soil conditions, sun or partial shade. *R. purshiana* similar but taller; black berries, mixed border or natural distinctive effect. S.
Tamarix, *parviflora*	12'-15'	Slender branches, feathery foliage, pink flowers in early summer, evergreen in Southern portions. D.
Natal Plum (*Carissa*)	6'-8'	Dense, dark glossy green foliage, fragrant pure white waxy flowers, scarlet fruit; stands shearing well, splendid hedge or foundation planting, or for mixed border.
Cotton Rockrose	4'	Compact, bushy, pure white crimson spotted or lilac rose flowers, evergreen, good for walls, banks, foreground. D. Edge. D.
Fuchsia	3'-6'	Slender drooping shrubs, pendant flowers; shade and moist soil. S.
Lantana	2'-6'	Free blooming and dwarf forms; former for hedges, fences, trees; latter for garden edging, bordering walks, foreground, full sun.
Gazania, Treasure Flower	Trailing	Trailing herb, bright red tubular flowers; trailing habit; banks, walls or terraces. *Also listed for Southwest and Northwest*

VINES, PERENNIALS, AND ANNUALS (Southwest)

See List of Vines suggested for Southeast and Northwest, and for Perennials and Annuals under Southeast Section.

House & Garden's Bookshelf

NEW BUILDING ESTIMATORS' HANDBOOK. By William Arthur. New York: The Scientific Book Corporation.

WHILE essentially a manual for the architect or someone actively connected with the building trades, this excellent volume has much data that will be of interest to the home-builder or prospective home-builder who wishes to know the why, wherefore and how-much of all things about a house.

Although we would be the last to suggest that a man having a house erected could take this little book in hand, and by its aid check every expense item—he can from it certainly gain an idea of the manner in which the various contractors go about estimating materials needed and the work they can accomplish in a given time.

As a ready reference volume to be kept at hand and used for estimating the cost of repairs, additions or new features the *New Building Estimators' Handbook* will prove its worth.

L. F. H.

WEAVES AND DRAPERIES, CLASSIC AND MODERN. By Helen Churchill Candee. New York: Frederick A. Stokes Company.

"WHEREVER hangs a drapery, there hangs a tale. But it is not even considered until one cares enough about the mute thing to examine into its past, into the reasons why it is of that particular weave, color and design."

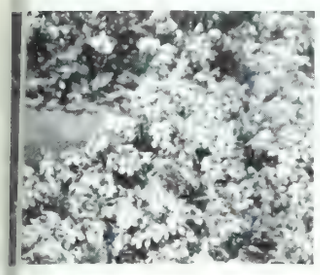
With such a beginning one can easily guess that this book is filled with delightful as well as instructive matter. And it is. Alluringly easy to read, it tempts you on and on until you find yourself plump up against the "Index" without realizing the book has come to an end. Men, women, and things are so interwoven in its text that it is hard to detach the human element from the thing. Such facility is only possible to one thoroughly at home with design—that fascinating "Open Sesame" to all the industrial arts.

The book takes you pretty much into

(Continued on page 140)

How to Prevent Mistakes

—Especially with Rock Gardens—



CREEPING PHLOX

Miniature daisy-like flowers in white, pink or lilac. Grows like a five-inch thick mat completely covering the ground. Price for any of the 3 colors: 3 for 85¢, 12 for $2.50, 100 for $18.

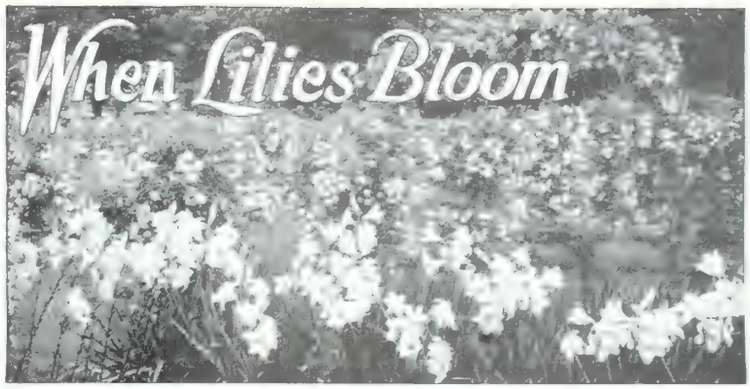
MISTAKES in *where* you plant, *when* planted; and *how* planted. Any one of the three may delay your results a year, with hardy plants or rock plants. Or even mean a complete failure. So that's why the new Wayside Gardens Catalog of Hardy and Rock Plants tells exactly how to secure success with each plant. Each one has its own *when, where* and *how* directions. No other catalog published in this country goes into such details.

Likewise from nowhere else can you secure such two year old, strictly field grown plants, having as sturdy constitutions or as abundant root growth. Quality plants in every way. Satisfaction unreservedly assured. Any dissatisfaction we promptly make good without haggling or discussions. Send for catalog. This spring make sure of buying right and planting right.

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When Lilies Bloom



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Where lilies bloom, these "aristocrats of the garden" give that distinction so much sought in the perennial garden.

Our thirty-five years experience in the growing of Hardy Lilies ensures your success. Five pages of our 1931 Garden Book are devoted to Hardy Lilies and we give a special three-page sheet of cultural directions with each order. Here is a selection of

Lilies Suitable for Spring Planting

that will produce flowers from June until Autumn

$14 COMPLETE COLLECTION *(Six of each)* — **HALF COLLECTION $7.50** *(Three of each)*

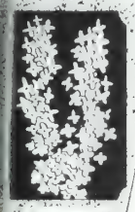
EARLY	MEDIUM	LATER FLOWERING
L. hansoni —Orange	*L. regale* —Pink and White	*L. batemanniae* —Apricot
L. elegans —Red	*L. longiflorum* —White	*L. auratum* —Gold-banded
L. croceum —Buff	*L. superbum* —Orange yellow	*L. speciosum* —Pink

OUR Garden Book abounds with many similar offers of Ferns and Wildflowers, besides a large assortment of the choicest Hardy Perennials. Now is the time to order for Spring planting. Send for our Garden Book. It is FREE. Let it aid you in your selection.

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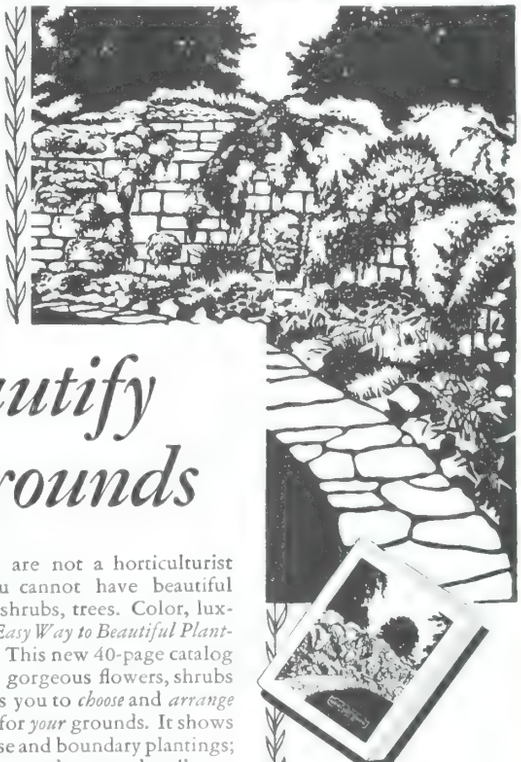
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JUST because you are not a horticulturist doesn't mean you cannot have beautiful plantings. Flowers, shrubs, trees. Color, luxuriance, grace. "*The Easy Way to Beautiful Plantings*" tells you how! This new 40-page catalog describes over 1200 gorgeous flowers, shrubs and trees—and helps you to *choose* and *arrange* the ones best suited for *your* grounds. It shows you how to make base and boundary plantings; to beautify entrances, roadways and walks; to plan a rose garden, a rock garden, a trellis. It gives you a wealth of *helpful* information. Send for a copy—*free* as noted under picture.

THE BARNES BROS. NURSERY COMPANY
Box 21, Yalesville, Connecticut

free book

This book is *free* in New England, N. Y., N. J., Pa., Del., Md. Elsewhere: 25c.

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BARNES BROS. NURSERY
Established 1890

NEW POWER, NEW SPEED
plus OLD RELIABILITY



FOR SMOOTHER, HEALTHIER LAWNS —AND UNBEATABLE EASE OF HANDLING

Surplus power and convenient controls provide extreme flexibility in the new Ideal Power Mowers. They can be slowed down to a snail's pace for easy turning—instantly accelerated to a fast walking speed for open cutting.

Mechanical features include: automatically operated valves . . . automobile type valve tappet mechanism . . . Timken bearing crankshaft . . . foolproof lubrication . . . effective cooling system. *There is no finer mower motor.*

Two sizes of *wheel* type: 20, 25-inch cut . . . Two sizes of roller type: 22, 30-inch cut . . . they have the weight for development of real sod, by the English rolling system, and are easy to handle because of greater power. Your request brings illustrated brochure on lawn maintenance equipment.



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For larger, foliaged grounds, the agile Triplex is unbeatable. Almost human it dodges all obstructions yet cuts as many as 35 acres in one day. Simple to operate. Ask about the Triplex.

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413 W. Chicago Ave., Chicago, Ill. 237 Lafayette St., New York City 273 Boylston St., Brookline, Mass.
161 Vester St., Ferndale (Detroit) Mich.
Dealers in all principal cities

THE NEW IDEALS 5 SIZES

Garden Company To Keep

(*Continued from page 59*)

PINKS

Selected by Robert S. Lemmon
Dianthus Eteelae Lem.
Dianthus Heddewigi (mixture).
Dianthus Plumarius 'Scotsman' (mixture).
Dianthus speciosus.
Dianthus deltoides 'Brilliant'.

PEONIES

Selected by Mrs. Edward Harding
Ama-no-sode—the best pink.
Isani-nishi—white.
Departing Sun—a large and distinguished light red.
Fayato—a dark red of medium size.
Aletta—a large, superb pink without the blue tinge, a strong grower.
Le Cygne—white, with a faint pleasant odor.
Gloriosa—white, exceedingly fragrant.
Lady Alexandra Duff—a fragrant pink.
Walter Faxon—the loveliest pink of all. Fragrant.
Mrs. C. S. Minot—mauve pink melting to cream center.
Edith's note. To these we would add Alice Harding—named for Mrs. Harding, a wonderful creation of beautiful form and delicate rare tints.

PHLOX

Selected by D. M. Andrews
Celestial—scarlet red.
Coccinea—rose flushed scarlet.
Kelsey Head—medium dwarf of intense crimson.
Pantheon—bright rose.
Silverton—clear, pale lavender.

SIBERIAN IRIS

Selected by B. Y. Morrison
Snow Queen.
Blue Queen.
Kingfisher Blue.
Harry's Blue.
Emperor.
"I should avoid like a plague all of the varieties that savor too much of red purple."

VIOLAS

Selected by T. A. Weston
Jersey Gem—violet blue.
Jersey Belle—true mauve.
Jersey Jewell—pansy violet w large flower.
White Jersey Gem—pure white.
Apricot Queen.
In the way of a sweet-scented t Violet for early spring and late f blooming is the pale rose pink Ros It is as hardy as the native Violets.

WATER LILIES

Selected by J. D. Eisele
HARDY
Marliacea albida—fragrant wh
Marliacea chromatella—bright y low.
Marliacea rosea—soft rose pink.
Odorata Rose Arey—deep cer pink, fragrant.
James Brydon—rosy crimson w silver sheen on reverse of pet
TENDER
Pulcherrima—light blue with y low center.
Mrs. Edward Whitaker—lar flowered, sky blue.
Mrs. George H. Pring—snow wh with young leaves blotch brown.
Frank Trelease—dark crimson.
Rubra Rosea—large rosy red.

AMERICAN WILD FLOWERS

Selected by Herbert Durand
Aquilegia—mixed.
Asclepias tuberosa—orange to r and crimson.
Aster—Ptarmisoides, white, a Spectabile, large violet-purple.
Eupatorium coelestinum—lavend blue.
Helonium hoopesi—orange. Co lected plants are best.
Lilium canadense and Superbum.
Tobelia cardinalis.
Penstemon—Gaber, a clear blu with rosy throat, and *Scand flora*, deep blue.
Polemonium caeruleum or richard soni—bright blue.
Silene regia—cardinal red. Rai from seed.

House & Garden's Bookshelf

(*Continued from page 138*)

all countries and all centuries, in pursuance of its subject of textiles—woven, painted, printed, and stenciled. Silk, cotton, linen, wool, and rayon are all considered, not alone for their design and weave but for their suitability as hangings and upholstery, and much practical instruction is conveyed.

The chapter headings deserve reviewing: "Originals and Copies"; "Familiar Weaves, Weavers and Ornament"; "Copts and Moslems"; "Spain. Peru. Cloth of Gold"; "Silk and Its Succession"; "Effects of Early Renaissance"; "Renaissance Textiles"; "The French National Style"; "Development Under Louis XV"; "Until the Revolution"; "Practicalities"; "The Directory and the Empire"; "Tapestries Gothic"; "Tapestries in the Renaissance"; "Tapestries Pr Gobelins"; "Tapestries in France" "Printed Cotton and Linen"; "Drap ing of Windows and Beds"; "Mod ernistic Textiles".

The Chapter on "Spain. Peru. Clot of Gold" is as fascinating as avowe romance. The 65 illustrations ar mostly old friends but, like any kin of illustration of Rembrandt's *Nigh Watch*, the 16th Century Persian bro cade of the colored frontispiece give never-failing delight.

But we do wish the book had no made Alexander the Great a Roma Emperor, and taken Charles V to th Field of the Cloth of Gold. He shoul have gone of course, but he did not We are sure, very sure that Hele Candee knows better, but whom shal we blame?

C. C. C



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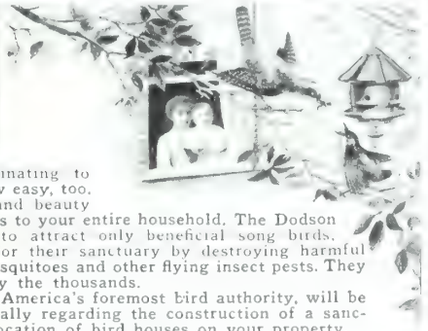
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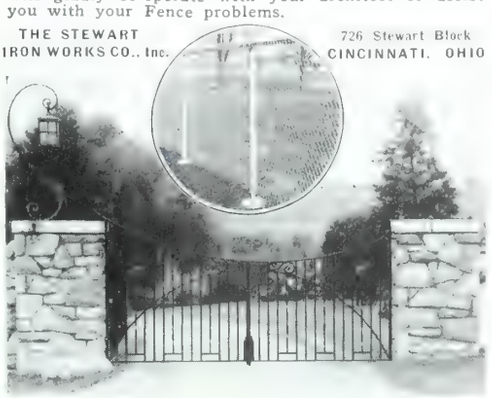
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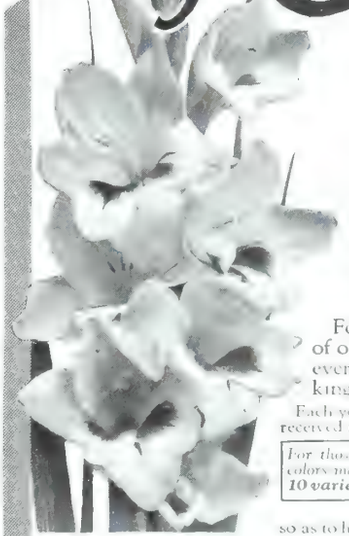
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FENCE

CHAIN LINK OR ORNAMENTAL WROUGHT IRON



Iron silhouettes were used to decorate fire-screens in the 12th Century. Above, a Western round up, in iron, on a modern fire-screen. By Thomas Wood

The Return Of The Wrought Iron Silhouette

(*Continued from page* 120)

the living room of the dude ranch or, in his play room, feeds the imagination of a small boy.

Clipper ships and rakish buccaneers ride on iron waves across mica lamp shades. An extremely attractive treatment for the rough, bare walls of a sun porch or the exterior walls of a pent house takes the form of a climbing, gracefully interlaced vine with supports for small flower pots projecting from it at intervals. Wild animals can peer at you from a vast jungle, or monkeys scamper gaily across a palm-fringed shore on the walls of your cellar game room. Weathervanes and lamp posts are in all sorts of fascinating and imaginative designs. Quaint figures decorate all types of lanterns, old-fashioned and new. Incidentally, when the silhouette is intended for an outdoor setting, painted brass is preferred, for its rustproof qualities, to iron. The possibilities for the use of the iron silhouette are almost endless and the variety of design is limited only by the imagination.

Not only are modern silhouettes executed to portray the fads and hobbies of their owners, but ancient signs from England and the Colonies, from [illegible] peasant decorations of Sweden, Switzerland and more remote corners of the world, are being collected to be used in the modern setting. Several quaint silhouettes of this type, some of them circular in shape, attracted much interest when shown as wall pla[illegible] at an exhibition of the Women's [illegible] orator's Club.

The use of iron pictures as an adornment of the fire-screen can be traced directly from the present day back to the 12th Century when the first edicts were passed ordering people to protect their fireplaces with metal. The earliest decorations were Scriptural scenes, heraldic devices and the intertwined initials of great lovers and famous lovers. Such Biblical subjects as the sacrifice of Isaac by Abraham were favorites because the flame became a part of the picture. A modern version of this sort of thing is found in a fire-screen with a Western sunset scene by Thomas Wood in which the glow of dying embers makes an appropriate background.

The present revived interest in more pictorial and original uses of hand-wrought iron is merely a return to a delicate and interesting art which lends itself to many charming uses in the hands of the artist craftsman.



An overmantel decoration for a man's room uses as its motif a duck-hunter with his dog and the two birds he has raised. This design by the Florentine Craftsmen

The Victorian scene below, recently created by the Florentine Craftsmen, might be used in a summer living room in place of the more familiar framed Godey print



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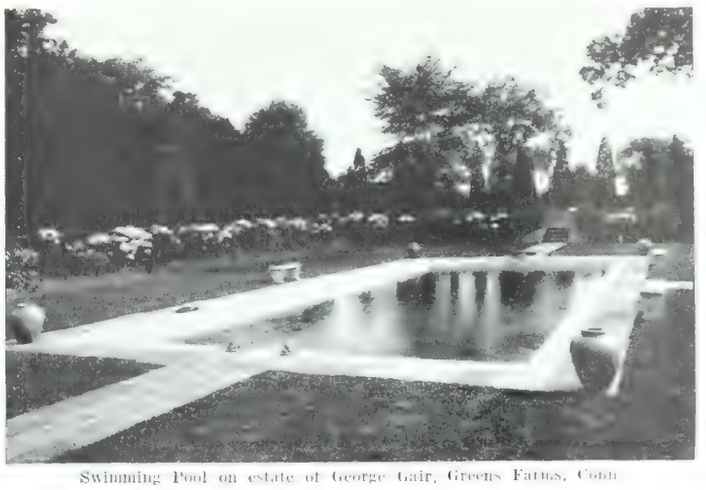
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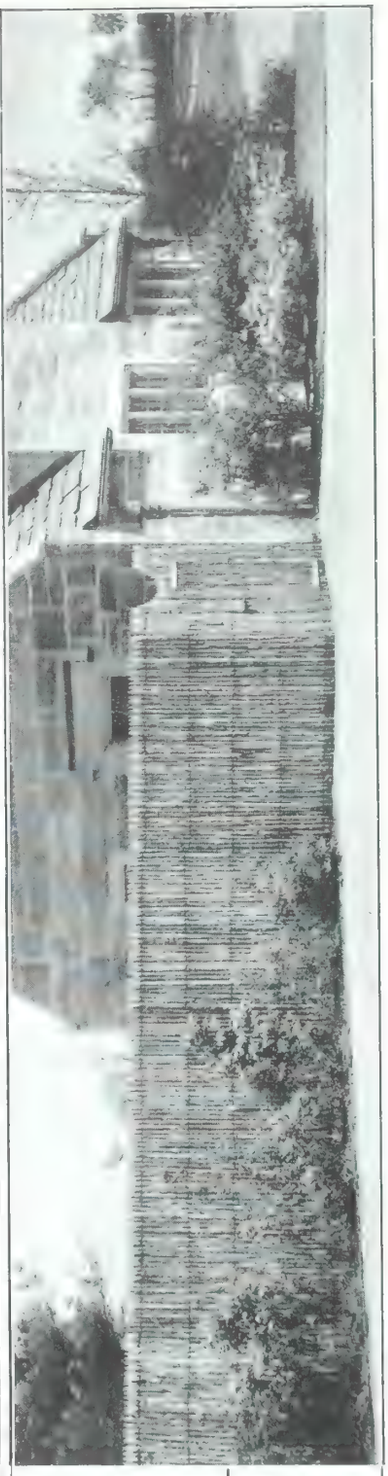
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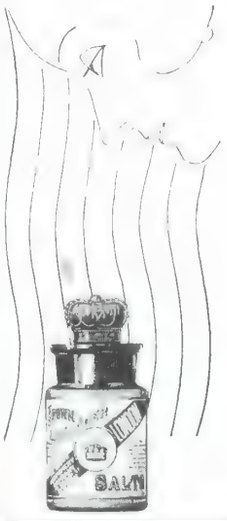
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(near Buffalo)

The Garden Scrap Book

ROCK PHOSPHATE. Phosphoric acid is one of the essentials in a well balanced diet for plants, yet tests in several parts of the East, especially, have shown that very often the garden soil is noticeably deficient in it. In such cases the benefits of adding the chemical in proper form have been marked and gratifyingly long-lasting. In fact, some of the best results have been with perennials and other permanent plantings, rather than with short-time crops.

One of the best ways of adding available phosphoric acid is the use of what is known in the garden supply stores as acid or rock phosphate. It costs about $2 a hundred pounds. An area 100′ x 100′ can well be given 500 pounds.

The method of applying rock phosphate is simple. It is simply scattered on the surface and dug in, as would be done with any other fertilizer. Mixing it thoroughly with the soil, of course, is important for best results.

SPRING PLANTING. It is a well established fact that spring planting of practically all kinds of woody plant material—trees and shrubs, evergreen and deciduous—if properly done is just about as successful as planting in the fall. In almost every instance, though, it should be done before active top growth starts and must be followed by an abundant supply of water throughout the first growing season.

The best time for spring planting of the majority of these things comes as soon as the frost is out sufficiently to permit digging. If the stock can be secured with good balls of earth around the roots, so much the better. Let the holes be amply large and deep to accommodate all the roots without crowding and, if there is an underlying layer of hardpan or other unfavorable soil, break it up with a pick so that the roots can work down into it more easily as they grow. The soil below and around the roots had better be enriched with ground bone, special tree food or some other safe stimulant that is in quickly available form.

Before setting the stock in place, soak the roots with water and let the filling-in soil be damp but not soggy. Work it in well around the roots so as to exclude all air spaces, and tramp down firmly. It will help conserve the soil moisture if the top two or three inches are left untamped. Better still, lay a good mulch of litter, leaves or other light material over the whole surface of the finished planting.

A NEW GADGET. One of the simplest but most useful garden devices that we have seen has been put out recently by a New England concern. They call it a leaf scavenger, which is descriptive if not alluring. This valuable gadget is neither



Flowers *need food*. as well as sunshin

BEAUTIFUL and luxuriant plant need to be well fed—only the do they bear a profusion of lovely flowers. Just like humans, the need a balanced, clean and com plete food—BloomAid. BloomAi comes in tablets, or in granulate form for use out-of-doors. We shal be glad to tell you where it may b procured in your vicinity. Write for our free booklet, "How to Grow House Plants." *Lawn and Garde Department, Virginia-Carolin Chemical Corp., P.O. Box* 1136 *Richmond, Va.*

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Each day brings fresh delights and surprises. You look eagerly for pests that it may bring with them, its dewy green, and put them down in garden treasures. A score or more of such plants presented by Bristol Nurseries have become standard today. This year we invite your attention to others equally good.

In the group are four new *Garden Pinks*, *Gaillardia*, Pyre Hooker (bronze red and Bristol Jewel (velvet crimson), Bristol Maid (rose pink), Bristol Purity (pure white), Dodo Betty (pink and lavender), Sterling No. 6, an improved variety from our garden. Giant large pink flowers all summer.

Gaillardia, Pyre Hooker (bronze red and yellow), Portola and Golden Gleam, also the perennial forms of these plants which the hybridizer knows has skill to bear. *Bristol Fairy Gypsophila* increases in profusion and size of pure white dainty flowers are most suited for cutting.

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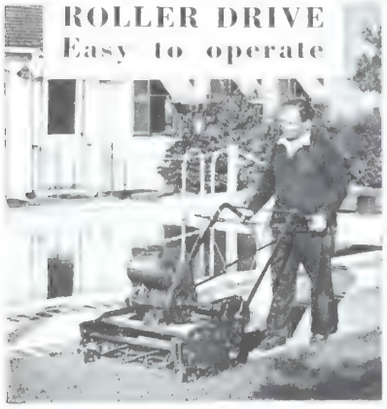
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The Garden Scrap Book

more nor less than a piece of heavy canvas about 6' square, to each corner of which is firmly attached a light but adequately enduring piece of rope.

Having acquired the device you take it with you the next time you go out to clean up the lawn, overhaul the border, prune the shrubs or rake leaves. Spreading it out flat beside the scene of operations, you pile the waste stuff on it as it accumulates, dragging the canvas from place to place as occasion requires until its load is sufficient for you to lay hold upon the four ropes, pull the corners together and, slinging the bundle over your shoulders (or the hired man's), lug it away to some suitable disposal spot.

Obviously, this is simpler, easier and productive of a neater job than the conventional wheelbarrow can boast. Also, it will not make wheel marks on the lawn or cut deeply into the soil of the most carefully cultivated garden. In other words, the leaf scavenger is one of those handy helps to conscientious gardeners which ought to have been invented ages ago.

If you are desirous of obtaining one of these new devices, write to our Readers' Information Service and we'll be glad to send you the name and address of the manufacturer.

COLDFRAME MANAGEMENT. The handler of a spring coldframe or hotbed should be constantly on the watch for a number of things, and really ought to be something of a weather prophet. With atmospheric and temperature conditions changing as radically as they generally do during March and April it requires considerable attention to keep the seedlings under glass from suffering from too much heat or cold, too much air or not enough.

Especially to be guarded against are the uncontrolled ardor of midday sun and the equally uncontrolled drop in temperature which often follows the advent of darkness. A clear March sun beating down on a coldframe sheltered from the wind will raise its inside temperature to an astonishing degree unless the sashes are raised enough to let the hot air escape. No good comes of letting a coldframe's temperature go above 80°, and 75° is a safer maximum if you don't want the young plants to be unduly forced.

But the sashes must be closed again before sunset, especially if the night promises to be chilly. You know how much human discomfort would be caused by a temperature drop of 40° or 50° in a few hours; how much greater would be the shock to anything as delicate as a seedling plant!

So try to keep the night temperature in a coldframe up, and its day temperature down. Of the two, the former is the more difficult, and may

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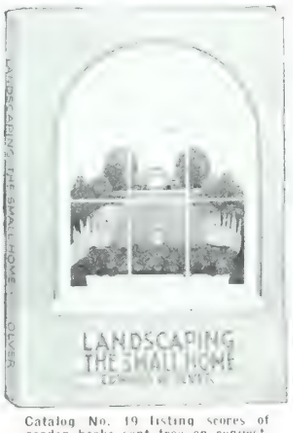
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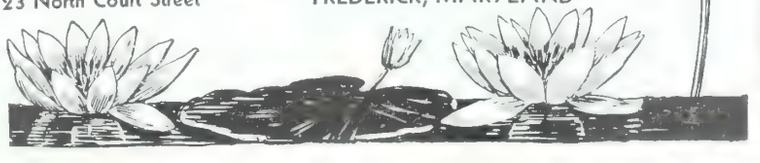
This Year Have a Water-Garden

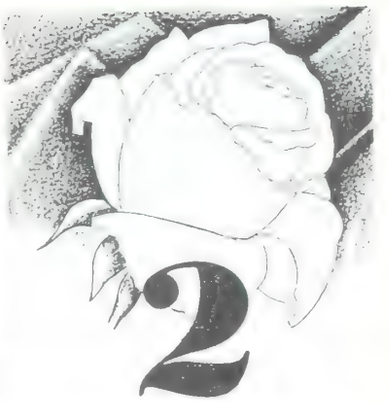
A water-garden is modern, different, unusual. Whether you have a pool or only one or two tubs you may revel in the loveliness, in the color, in the fragrance of Waterlilies. No plants are easier to grow, none give more pleasure and satisfaction for such a small cost. No weeds to bother, no cultivating in the hot sun.

Our New Catalogue Will Tell You How

Everything is made clear in this book. A score of Waterlilies are pictured in natural colors, and all are carefully described in the text. Several kinds of Fancy Fish are shown in color, with aquariums and fish foods and supplies. Write today for this guide to a new form of gardening.

THREE SPRINGS FISHERIES
23 North Court Street FREDERICK, MARYLAND





2 Star Roses at half price

This is *more* than a bargain—these are full size "samples" to show you the exceptional quality of "Star Roses." They are two years old, field-grown, budded plants. They are nationally known, trademarked and guaranteed to bloom *this* summer, or you get your money back.

All 4 items for $1.00. postpaid

(1) One Everblooming "Star Rose"—Souvenir de Georges Pernet H. T. Deep carmine pink. $1 size.

(2) One Everblooming "Star Rose"—Rev. F. Page Roberts H. T. Perfect, deep yellow blooms. $1 size.

(3) "Success with Roses"—32 pages, illustrated. Makes rose-growing easy and successful. Tells how to plant, care for, and get most blooms from your roses. Regular price 25c.

(4) "Star Guide to Good Roses"—1931 edition—68 pages. Better than ever. A real guide to the best roses for America. Latest "Star" novelties and "Star" favorites pictured and described.

Send your $1.00 today

We urge you to order *now*—Use coupon below and get full $2.25 value postpaid for only $1.00.

THE CONARD-PYLE CO.
Robert Pyle, *Pres.*
Rose specialists for 34 years
West Grove 322, Pa.

THE CONARD-PYLE CO.
West Grove 322, Pa.

[ ] I want to try out "Star Roses." Here's my dollar. Please send 2 "Star Roses" postpaid: Souvenir de Georges Pernet, Rev. F. Page Roberts. Also "Success with Roses" and the "Star Guide to Good Roses."

[ ] Please send "Star Guide" free.

Name .....

Address .....

STAR ROSES
GUARANTEED TO BLOOM

The Garden Scrap Book

even call for the laying of mats or old carpet over the sashes on especially sharp evenings.

PEACH LOCATIONS. Especially toward the northern parts of their ranges, Peaches and Apricots are most satisfactory when planted in location which are what gardeners call "late"—in other words, where the exposure is such that the beginning of spring growth is retarded. The worst places for these trees are a southward facing, protected slope, or a valley but off from cold winds.

The reason for this situation is perfectly simple. Both Peaches and Apricots blossom early, before their leaves come out. If they are planted in a place where this early tendency is stimulated, there is more danger that the blossoms will develop enough to be nipped by a subsequent frost, and the crop for that year lost.

A "late" location, on the other hand, is no more subject to a belated frost than is an "early" one. Naturally, the blossoms of trees grown in such a spot are less developed at the time a cold snap comes, and consequently are much more likely to survive it with little or no damage.

ESSENTIAL GARDEN TOOLS. As experience has shown by its chips, they vary and to a certain extent to be adapted by the quality of the soil. If your garden is a real thrill—hardy, rich and well cultivated—you can be pretty sure that the person who takes care of it has the proper tools, keeps them in good condition and uses them correctly.

The list of tools essential to the making and maintenance of a first-class moderate sized garden is neither lengthy nor appallingly expensive. First of all we would specify a spade—a well-made, standard sized one that will do a real job of digging. Secondly, the implement known in the trade as a spading fork—a broad-tined affair that is invaluable for digging in mulches, turning over cultivated soil, and so forth. Third and fourth, a standard steel rake and a first-class trowel. Fifth, a big, substantial, he-man watering can fitted with a fine rose. Sixth, a long-tined hand weeder. And to round out a well balanced list, pruning shears, grass clippers, garden line, compressed air sprayer and a narrow steel rake which will enable you to work close around plants without bending over.

In a vegetable garden, of course, a wheel-hoe with full set of attachments is an absolute, fundamental necessity; it saves much time and energy, and does a perfect job of cultivating and is useful in many other ways. It can well be supplemented with an old-fashioned hoe of the common or garden variety, a tool which, despite all the efforts of a machine age, still has a great deal to be said in its favor.



A Water Lily Pool
for every garden

Your garden is modern without the cool [illegible] Water Lilies. [illegible] Water Lilies.

"Mir-A-Pool" . . . a portable pool

[illegible] Mir-A-Pool booklet. Illustrated, and describes the FREE Garden

Illustrated Catalog Free

[illegible] Water Lilies, Aquatic Plants and Ornamental Fishes. Send for FREE copy today.

Fish Collection for Pool $5.50

[illegible]

Wm. Tricker, Inc
1204 Brookside Avenue — Saddle River, New Jersey
Water Lilies

A Better Garden Service

A service combining a most unusual stock of modern landscape and garden materials with old-fashioned conservative ideals of doing business—ideals that build and hold customer satisfaction and good will.

This is made possible by the consolidation, as recently announced, of two long-established and well-known firms—The Bay State Nurseries, North Abington, Mass., and Wyman's Framingham Nurseries, Framingham, Mass., under the name Bay State Nurseries, Incorporated.

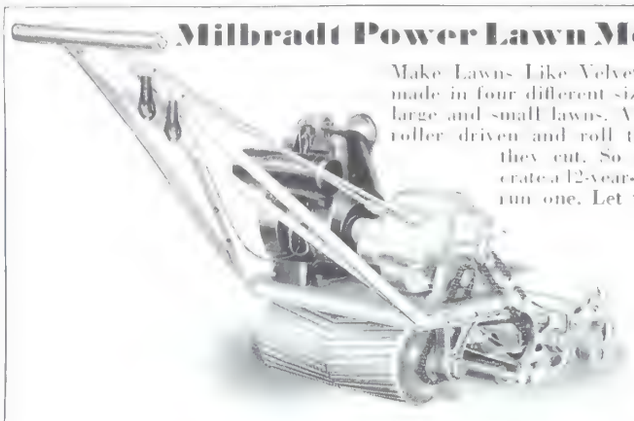
Our Handbook for Spring, 1931 is now ready for distribution. It lists, describes and illustrates our unusual stock of plants. It will be sent free east of the Mississippi and north of the Potomac (the territory we can best serve) elsewhere upon receipt of fifty cents. May we send you a copy?

[illegible]

Bay State Nurseries
Incorporated
Main Office 702 Adams Street
North Abington, Mass.



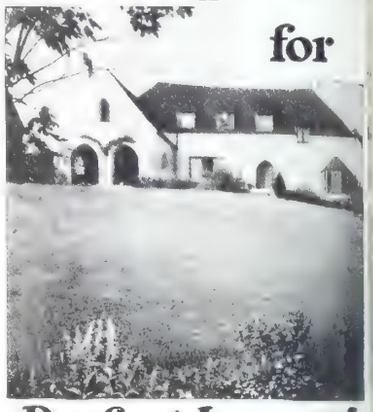
Milbradt Power Lawn Mowers



Make Lawns Like Velvet. They are made in four different sizes for both large and small lawns. All styles are roller driven and roll the lawn as they cut. So easy to operate a 12-year-old boy can run one. Let us prove it.

MILBRADT MANUFACTURING CO.
2403-5 No. Tenth St. Established 1895 St. Louis, Mo.

Scott's Creeping Bent for Perfect Lawns!



Sod in six weeks! A rich, velvety stretch of lawn that chokes out weeds before they can grow! You will have a deep, thick, uniform turf that's everlasting and makes your home a beauty spot. With proper care no reseeding is ever necessary. Grows readily anywhere except in extreme south.

The New Super-Lawn

Creeping Bent—long recognized as the ideal grass for golf putting greens—is now producing Super-Lawns. Instead of sowing seed, you plant stolons or the chopped grass—and in a few weeks you have a luxuriant lawn like the deep green pile of a Turkish carpet.

A Cumberland, Md., customer writes: "In six weeks, almost like magic, Creeping Bent completely covered the ground. It has become so thick and green that it looks more like a velvet rug than grass."

Read all about this unusual grass in our illustrated booklet, "Bent Lawns." Write for it.

O. M. Scott & Sons Co.
224 Main Street Marysville, Ohio



100 EVERGREEN TREES $3.50

Norway Spruce, White Spruce
Scotch Pine, Norway Pine

100 *of any variety or 25 of each kind* $3.50

Hardy, four year transplanted and well rooted, 4 to 8 inches tall. Will thrive anywhere and grow rapidly. Average weight 10 lbs. per 100. No order less than 100 at this price. Remit with order. Trees sent at proper time for planting. Send for folder

WESTERN MAINE FOREST NURSERY
Dept. HG Fryburg, Maine

TEN Genuine Blue Spruce $3.95 FOR ALL!

TEN sparkling Colorado Blue Spruce Trees for only $3.95, *no extra cost for delivery! Five-year-old* specimens 9 to 12 inches high—double transplanted. Many requests have come to us for Colorado Blue Spruce. Because of their scarcity and the former high cost of production, we have never before been able to make such an offer on Blue Spruce. It has taken five years to bring these Blue Spruces to the point where we can offer them to you.

The Blue Spruce is a marvelous investment. The bluest varieties are like a silvery cloud on the lawn.

For Spring Planting

The best time for planting these evergreens in the Spring is from March 15th until June 1st. They will come to you glistening, fresh, vibrant. It is simple to grow these trees. Instructions for care and planting will be sent with your shipment. Little space is needed—you can raise these trees in a few square feet of ground.

Every Tree Guaranteed to Live!

If you can use more than ten, we will send you 25 for $6.50, or 100 for $25. This price includes delivery!

Any trees reported not flourishing within one year, will be promptly replaced without cost to you.

THE LIVING TREE GUILD, Dept. 1130
National Headquarters for Guaranteed Living Trees
468 Fourth Avenue, New York, N. Y.

FREE THIS BEAUTIFUL—PRESIDENT HOOVER ROSE



Its brilliance is dazzling—a rare bloom in which old gold, cerise-pink, yellow, flame and scarlet are combined. You'll love it. One strong bush given with each order of Lovett's "Elite" Collection

6 EACH DIFFERENT GORGEOUS EVERBLOOMING ROSES for $5.00 POSTPAID!

These 6 fine Roses comprise Lovett's "Elite" Collection:
Dame Edith Helen, (Pink)
Etoile De France, (Crimson)
Kaiserin Aug. Victoria, (White)
Los Angeles, (Gold, Salmon and Pink)
Souv. De Claudius Pernet, (Yellow)
Talisman, (Gold and Orange)
Individually they would cost $7.45. "President Hoover" is all for $5.00. Every bush field-grown, strong blooming and healthy. Order today!
New 1931 Catalog Free. Roses, Perennials, Evergreens, Shrubs, Bulbs, Field Seeds, etc.

$7.45 Value for $5.00

LOVETT'S NURSERY
Box 55 Little Silver, N. J.

The Garden Scrap Book

And having acquired first-class garden tools of the right kinds, keep them clean, keep them sharp, and *don't load them to the utmost capacity.*

FOR LABELING PLANTS. Plant labels for garden use are a puzzling problem—they always have been, and perhaps will always continue to be so. To be wholly satisfactory they must be durable, easily marked and attached, legible, not too conspicuous, and as inexpensive as possible, so that large numbers can be used without running up too sizable a bill. These are difficult requirements to meet, especially when you consider that the conditions of exposure are such as to put a severe test upon any kind of manufactured product.

One of the best types of plant label so far produced is made of celluloid, on which the designation of the plant is written, with a protective transparent cover which keeps the writing legible for years.

Another label, especially designed not long ago for rock garden use where durability and inconspicuousness are equally required, is particularly noteworthy. It is of green celluloid on which a steel stylus will write the name in white. The effect is neat and, as has been said, is really weatherproof and long-lasting.

Most of the better-class garden supply stores carry both these labels in a variety of sizes. If you have difficulty in locating them, a letter to us will bring you the name of the manufacturer.

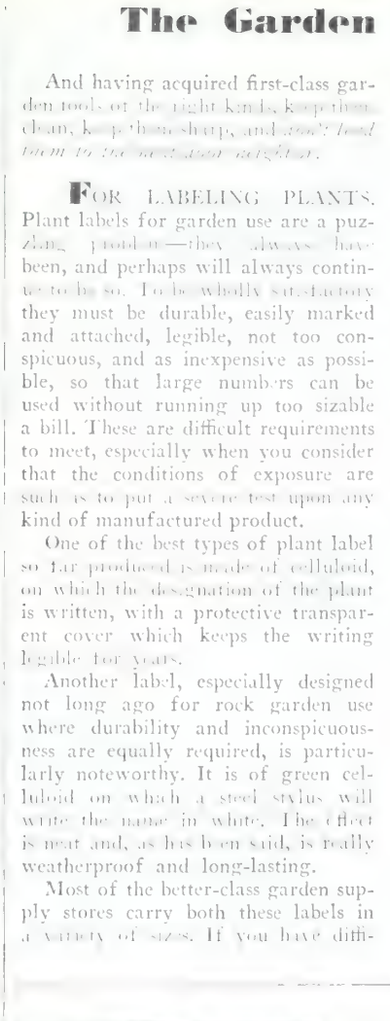
HOME NURSERIES. Encouraging every gardener to equip his home with a small but practical nursery we are thinking of one for plants, not for the young of the human species. In other words, we are not taking sides, one way or the other, on the question of compulsory sterilization.

The uses of a home garden nursery are numerous. Such a place is ideal for taking care of those odd plants of every conceivable sort which we all accumulate every year by gift, theft or chance purchase. Seedling or rooted cutting evergreens, young shrubs of any kind, Gladiolus bulblets, seedling Lilies, individual plants that need a change of air, perennial divisions too small to put in the regular border—the list is long indeed.

And the soil and other requirements of such an area are not difficult. Whether the space be ten feet square or ten hundred, let its soil be light, well drained, moderately rich in both plant food and humus material, and open to the sun for at least half the day. The character of a good, productive vegetable garden is the thing to aim for in the nursery plot.

As for the arrangement of the plant occupants, simply put them in rows spaced according to the requirements of the various kinds represented.





SCHENLEY GARDENS
Cheswick, Pa.

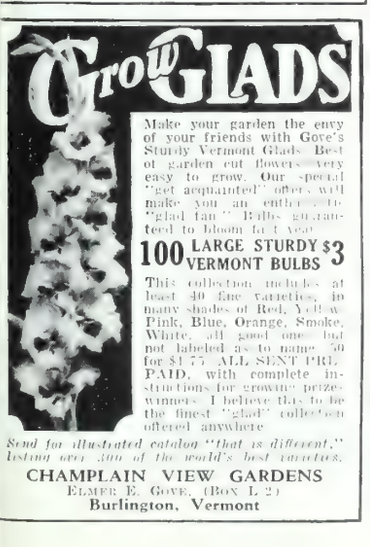
Please send me your new catalog.

Name

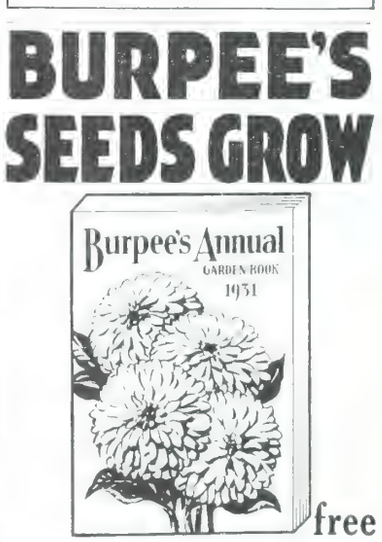
Address











Trade Literature Reviews

Each month there will be briefly reviewed on this page a number of the new brochures, pamphlets and catalogs which have been issued by House & Garden's advertisers. Address concerns direct for this literature, or simply check the list below for the material in which you are interested . . . write your name and address in the lower margin . . . tear out this page . . . mail it to House & Garden's Reader Service Bureau, Graybar Bldg., New York City, and we will have these booklets sent to you. Where payment is mentioned, please enclose your remittance in stamps.

BUILDING MATERIALS

House Building Materials

[illegible] Memphis, Tenn.

[illegible] Best Stained Shingles. Before and after [illegible] Weatherbest Stained Shingle Co., [illegible] N. Y.

Incinerators

[illegible] the Incinerator and Heating Engineer [illegible] Incinerator Co. of N. Y., [illegible] Ave., Mt. Vernon, N. Y.

Portable Houses

[illegible] Portable Houses [illegible] Co. [illegible] and their floor plans. The cost [illegible] and houses and [illegible] Lehigh Lumber Co., [illegible] Chamberlain Ave., Bridgeport, Mass.

Windows, Doors, Screens

[illegible] Metal Windows. Large [illegible] casement windows are illustrated. Technical data explains the economies [illegible] Casement Window Corp., Dept. M, [illegible]

[illegible] Door Metal. Door Lift. Aluminum [illegible] Screening of bent wire, shapes [illegible] Aluminum [illegible] Co., Ltd., Aerovent, Bldg., Toronto, Ont., Canada.

[illegible] Screens. Easy [illegible] garden or cabana [illegible] Awnings [illegible] Hiller Mfg. Co., Hyde Park, Boston, Mass.

Furniture

The Charm Of A Livable Home. Pieces of the Kittinger line are reproduced, and [illegible] are shown, together with [illegible] Kittinger Co., 1891 Elmwood Ave., Buffalo, N. Y.

Household Textiles

[illegible] Booklet. [illegible] Demonstrates [illegible] Excello [illegible] one of the important and [illegible] of linen damask. There is no [illegible] cent mailing charge. The Linen [illegible] Section Linens, Dept. G, [illegible] Dept. VC-2, 200 W. Broadway, N. Y. C.

Sani-Tarp Tales. Photographs show [illegible] which Old Black Linoleum has [illegible] A [illegible] made for the floor. Use One Piece. Sani-Tarp Co., Dept. F, 180 Lexington Ave., N. Y. C.

Kitchen Equipment

[illegible] Catalog. [illegible] Electric [illegible] Ranges, Coal Water Boilers and Gas [illegible] are illustrated and described. Address [illegible] Thomas A. Edison, Inc., Orange, N. J.

Pottery

[illegible] Story Of Wedgwood. The story of the Etruria Potteries and the creation of his pottery [illegible] Wedgwood & Sons, Inc., 200 Fifth Ave., New York, N. Y.

Silver

[illegible] Modern Way To Conserve Silver [illegible] booklet [illegible] can be [illegible] in period styles, with the [illegible] over an [illegible] [illegible] Reed, Lord & Burton Co., Dept. B, [illegible] field, Mass.

[illegible] Silver And Weddings. Correct [illegible] Bridal Party. Invitations, [illegible] wedding conventions outlined briefly. Twenty-[illegible] cards. [illegible] Co., Dept. [illegible], Attleboro, Mass.

Beverages

The Secret Of The Enjoyment Of [illegible] Highball. Describing Billy Farrell [illegible] Also and other beverages, and recipes for [illegible] Included. J. E. Rob Evans, Corp., Chicago, Ill.

HOUSE FURNISHINGS

Clocks

[illegible] Time. A number of illustrations show how Revere Electric Chime [illegible] with authentic period styles. The Revere Clock Co., [illegible] Ave., Cincinnati, O.

Drapery & Upholstery Fabrics

[illegible] The Key To Successful Decorating. A booklet to help those planning [illegible] Schumacher & Co., [illegible] 60 West 40th St., N. Y. C.

Floor Coverings

[illegible] Protect Appearance [illegible] Dust Pan [illegible] Dirt. They [illegible] and [illegible] be replaced. Waite Carpet Co., Unit [illegible] Chicago, Ill.

[illegible] Linoleum [illegible] Oriental [illegible] Linoleum [illegible] Dealers [illegible] Floor Coverings [illegible] Dept. W, [illegible] Chicago, Ill.

Floor Wax

[illegible] Of Beautiful Floors. How [illegible] Floors [illegible] Paste [illegible] Floors [illegible] Dept. HG2, 480 Salem Ave., [illegible]

The Easy Way To Beautiful Plantings. Illustrations of plantings are so simply drawn they will help in [illegible] groupings. The Bartley Boom Nurseries, Co., Box 21, Yalesville, Conn.

Spring Catalog. An assortment of bird [illegible] and [illegible] material. Free east of the Mississippi and elsewhere fifty cents. Bay State Nurseries, Inc., 701 Adams St., No. Abington, Mass.

Roses. This is an indispensable directory for all those who grow Roses in their garden, or wish to do so. It contains numerous attractive color illustrations. Bobbink & Atkins, Rutherford, N. J.

Spring 1931 Catalog. Features new Chrysanthemums that will lengthen the season of cut flowers and [illegible] Send for [illegible] Newman Brothers, Dayton, Ohio.

Bulbs, Annuals, Garden Books. A helpful list of vegetable and flower seeds. Also a section on bulbs and plants [illegible] W. Atlee Burpee Co., Burpee Bldg., Philadelphia, Pa.

Summer Catalog. This catalog lists over three hundred varieties of Gladioli, many attractively illustrated. Champlain View Gardens, Box 1-I, Burlington, Vt.

Star Guide To Good Roses. The 1931 edition of this guide contains helpful information on Roses and makes the selection of varieties which grow [illegible] The Conard-Pyle Co., West Grove, 321, Pa.

Dreer's Garden Book. A real manual of what to plant and how much it will cost. An institution from which gardeners can obtain seeds and plant material of the highest quality. Dreer's, 1306 Spring Garden St., Philadelphia, Pa.

Chinese Elm Nursery Catalog. Attention is drawn to the Chinese Elm. A complete list of other trees and plants is also [illegible] Green Bros., Inc., 175 Main St., Rochester, N. Y.

Secrets Of Good Gardening. An interesting book which will give valuable help to [illegible] the amateur and advanced gardener. Joseph Harris Co., Inc., R. F. D. 16, Coldwater, N. Y.

"Everything For The Garden." Contains a wide selection of vegetable and flower seeds. Costs 10c, but 25c rebate sheet is sent with the catalog. Ferry-Morse Seed Co., is mentioned. Peter Henderson & Co., 35 Cortlandt St., N. Y. C.

Hill's Evergreens. Illustrations in color and information on Evergreen grouping and planting. Costs 25c, refunded with first order. D. Hill Nursery Co., Box [illegible], Dundee, Ill.

Kunderd's 1931 Gladiolus Book. Catalog of Gladioli including both ruffled and laciniated types. A. E. Kunderd, 177 Lincoln Way West, Goshen, Ind.

Necho Grower's Guide. Information on plant materials and beautifying the home grounds. Nechoco Nurseries Co., [illegible] Highland St., Nechoco, Mo.

GARDENING

Lawn Mowers

"Lawn Beautiful." Several types of the Excello Power Lawn Mower are pictured and described. Also [illegible] by motor and hand mowers. Excello Mfg. Co., [illegible] Washington Ave., Racine, Wis.

Coldwell Distributor Lawn Mowers. Mowers [illegible] by hand, horse, gasoline and electricity. Several types are illustrated. Coldwell Lawn Mower Co., Newburgh, N. Y.

Seeds, Bulbs and Nursery Stock

Spring Catalog. Numerous photographs in this catalog show individual [illegible] and landscape [illegible] are offered. Bobbink & Atkins, Hall Horticultural Bldg., Box 7, Rutherford, N. J.

Carl Salbach's 1931 Spring Catalog. Annual catalog featuring Gladioli and Dahlias containing illustrations and descriptions. Carl Salbach, 653 Woodmont Ave., Berkeley, Calif.

Breck's Garden Of Moderate Cost. A wide variety of English flower seeds. Several flowers are illustrated in colors. Schling Gardens, Chelsea, Pa.

A Book For Garden Lovers. An [illegible] number of superior novelties are included. Many are effectively illustrated in color. Max Schling Seedsmen, Inc., Madison Ave. at 59th St., N. Y. C.

Seed Annual 1931. Included in this annual catalog are lists of Roses, vines, and flowering shrubs. Stumpp and Walter Co., 30 Barclay St., N. Y. C.

Sutton's Amateur's Guide. The leadership of English horticulturists is strengthened by this catalog of one of England's greatest plant seed organizations. A [illegible] cent charge. Sutton & Sons, Ltd., Dept. S., Reading, England.

For Your Garden In 1931. Information on nearly every garden subject. Planting charts help you choose flowers to color and size. The Templin-Bradley Co., 1727 Detroit Ave., Cleveland, O.

Water Lily Catalog. Among the Water Lilies shown is a new variety in a soft pink shade. Aquatic plants and fancy fish are described. Three Springs Fisheries, 22 N. Court St., Frederick, Md.

Water Lilies. Instructions on how to construct a pool or plant a tub garden. Descriptions of Lilies, aquatic plants and fancy fish. Wm. Tricker, Inc., 1104 Brookside Ave., Saddle River, N. J.

Spring 1931 Catalog. This catalog explains how dwarf fruit trees can add beauty to your garden. Roses and shrubs are also described. Van Dusen Nurseries, Box H, Geneva, N. Y.

Rock And Hardy Plants. A wealth of illustrations to show fine rock and hardy plants, and complete cultural instructions. Wayside Gardens, Mentor, O.

Oscar H. Will Catalog. Trees, flowering shrubs, perennials and garden seeds grown in the Northwest. Oscar H. Will & Co., Box M-1, Bismarck, N. D.

TRAVEL

Escorted Tours To Europe. An illustrated booklet giving an index of selected tours and the various rates. American Express Co., 65 Broadway, N. Y. C.

The Empress Of Britain. Showing beautiful color illustrations and describing this new ship. Canadian Pacific, 344 Madison Ave., N. Y. C.

Lucerne-In-Quebec. Detailed information is given on the Log Chateau hotel and on joining the Seigniory Club. Log Chateau, Lucerne-In-Quebec, Canada.

Programme Of Circular Tours. Outlining a series of tours in England, Scotland, Ireland and Wales. LMS Corp., Dept. A-16, 200 Fifth Ave., N. Y. C.

N Y K Mail. Discusses various tours to the Orient, around the world and through the Pacific. Nitton Yusen Kaisha, Dept. 6, 10 Bridge St., N. Y. C.

Best Route To See The Pacific Coast. Four scenic routes by rail to the coast are described. H. H. Gray, Southern Pacific, 551 Fifth Ave., N. Y. C.

To The North Cape. Descriptions of Norway and Sweden with lists of trips and fares. Swedish State Rys., Dept. HG, 551 Fifth Ave., N. Y. C.

United States Lines. A collection of illustrated booklets on the various ships in this line. United States Lines, 45 Broadway, N. Y. C.

Please be sure to sign your name and address on the margin.



INTELLIGENCE . . .
on both ends
of the leash

He has brains, breeding, bravery, and the manners of an aristocrat. You've recognized all this by putting yourself on the other end of his lead. Wherefore, people who see you together accord you a new respect and quite a new friendliness.

He's a merry little dog alert for anything. He's a game little dog ready to fight his weight in woodchucks if they'd only oblige by appearing on Park Avenue. He's so devoted he'd probably tackle a rhinoceros if one menaced your safety. Yet he never picks a silly quarrel with man or beast; it would be quite beneath him.

At home, he shows a broad streak of good old Welsh sentimentality. When you want to hug him, he's always thought of it first. But he doesn't intrude. And he's never noisy. In short, he's a dog with common sense. You can teach him anything and his quick, active mind makes him an apt scholar. Though he's white, with a shaggy coat, he is kept clean easily and his hair stays in place by frequent grooming with a "terrier" brush.

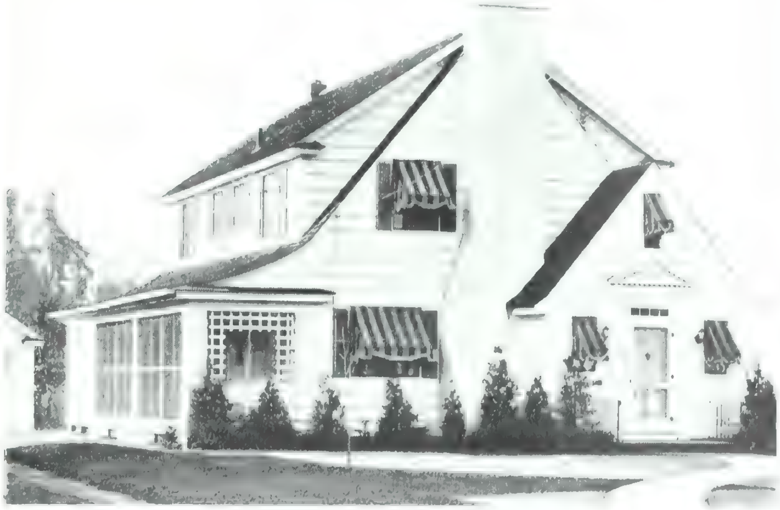
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THE DOG MART
HOUSE & GARDEN

Graybar Building
Lexington at 43rd, New York City

Plan to Build or Modernize NOW *and Save Money*

THERE are many savings in using WEATHERBEST Stained Shingles as a sidewall material as well as for roofs. WEATHERBEST Dealers are especially qualified to serve you.



THIS house in Syracuse with WEATHERBEST Green Stained Shingle roof over WEATHERBEST Colonial White Shingle sidewalls saved money for the contractor, A. C. Roy, and the owner, Geo. W. Seamons, because WEATHERBEST Stained Shingles *were considered a standard building material*

Your architect, builder and lumber dealer can give you facts about WEATHERBEST Stained Shingles *used as a standard building material* for sidewalls as against the cost of other sidewall materials. With nearly every architectural design, WEATHERBEST Stained Shingles will give you lower first-cost. In addition, there is the economy of continued beauty without paint or repair.

The finest pigments and oils bring out the natural texture of *hand-selected* red cedar shingles—they will not rot or curl. There is nineteen years' experience behind our WEATHERBEST policy: *"Not to cheapen materials or process to meet price competition."*

For literature, send 10c (stamps or coin) and check coupon below. Address WEATHERBEST STAINED SHINGLE CO., Inc., 870 Island St., North Tonawanda, N. Y.



Modernize NOW

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Weatherbest
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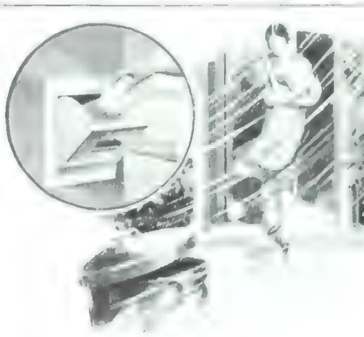
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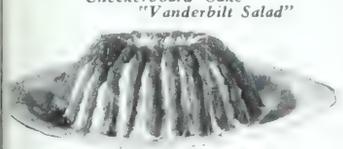
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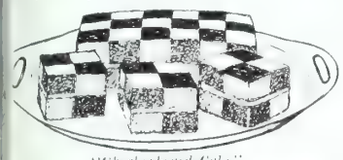
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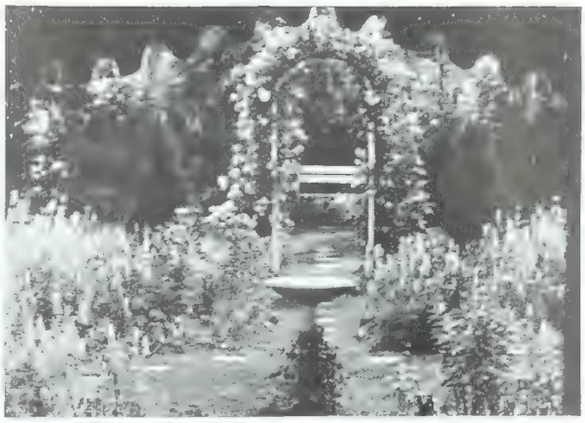
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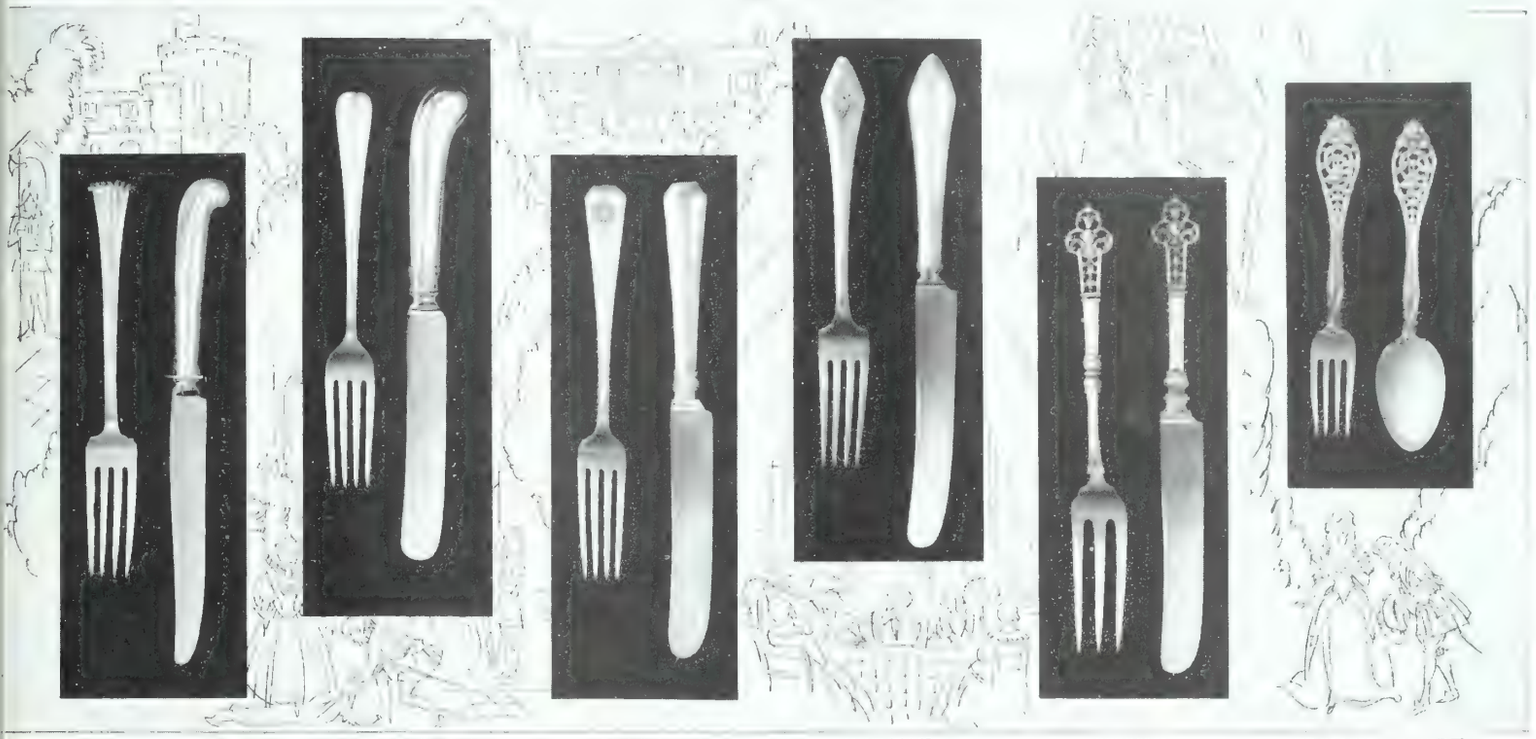


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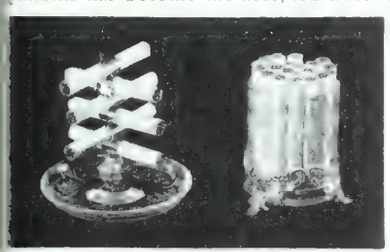
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Below right—Centerpiece. In fascinating gondola shape. Three sizes, 16 in. long $400. 14 in. $325. 12 in. $275.

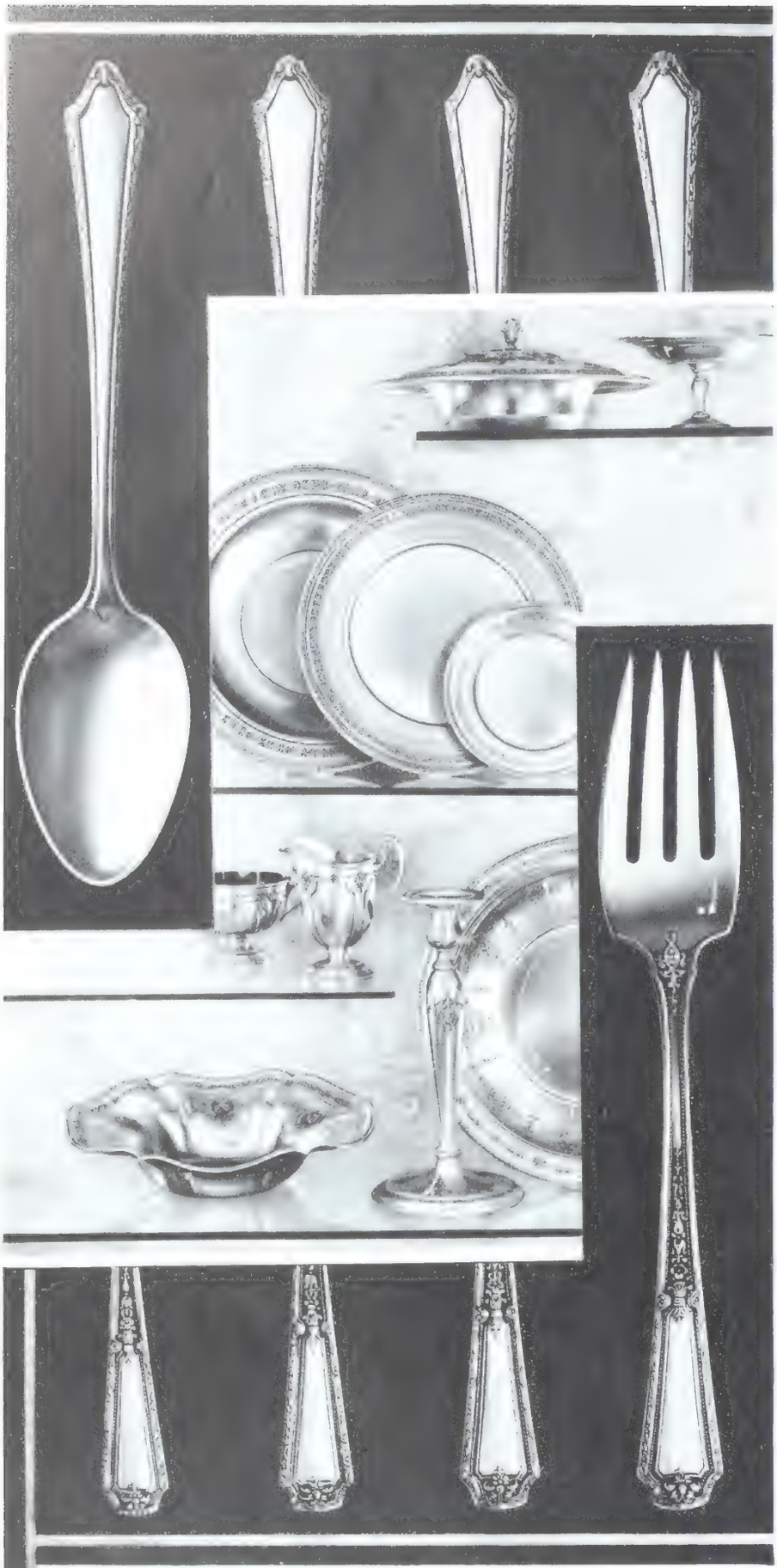
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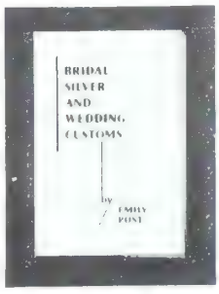
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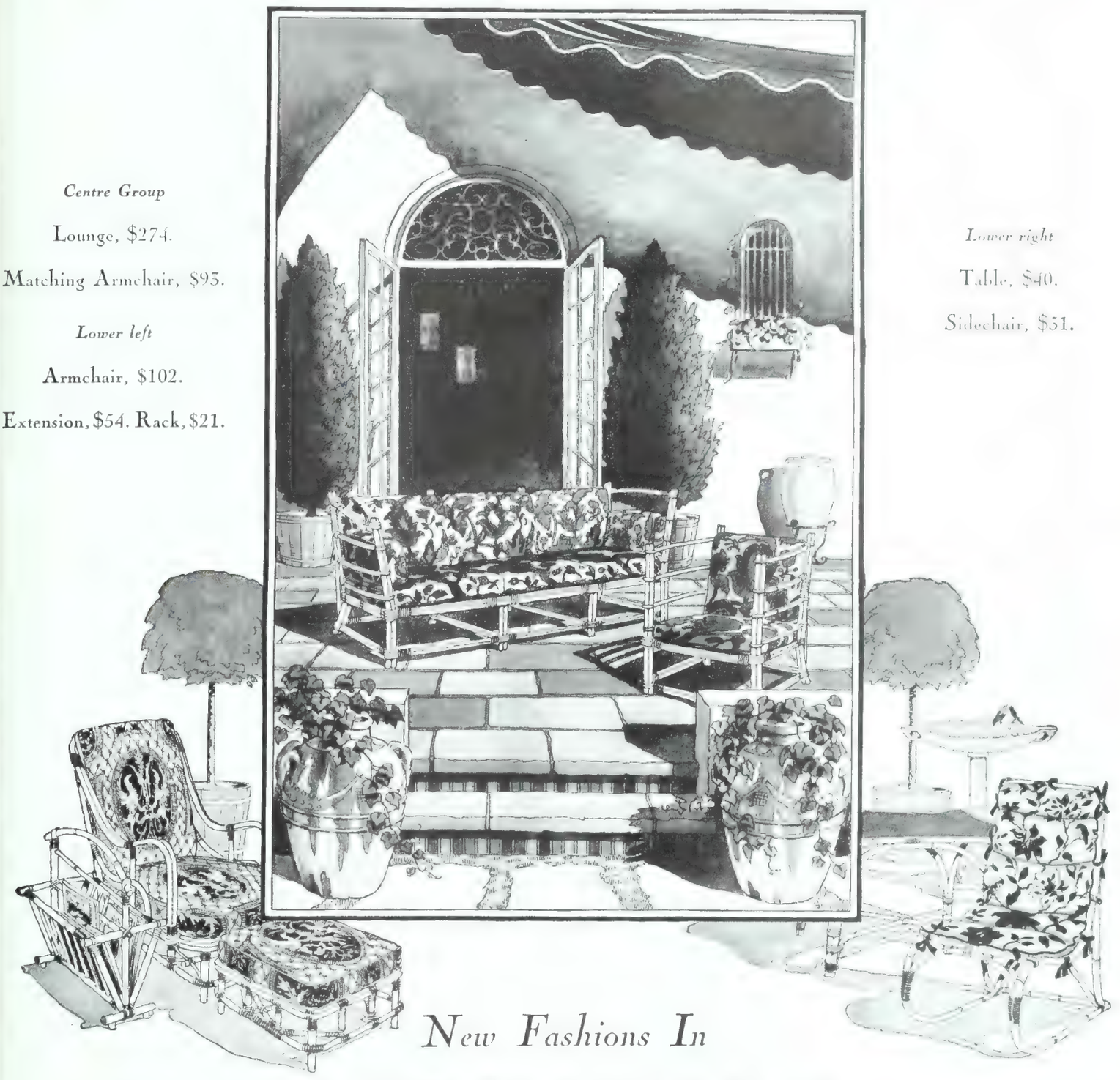
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Lower right

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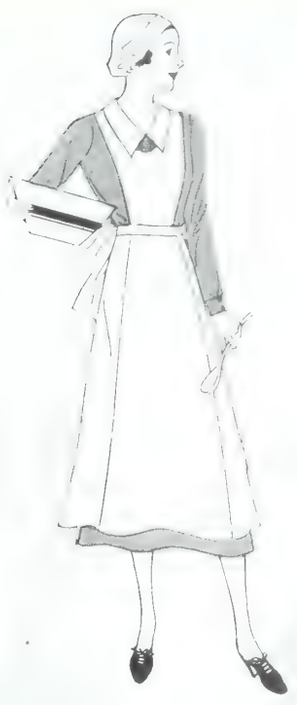
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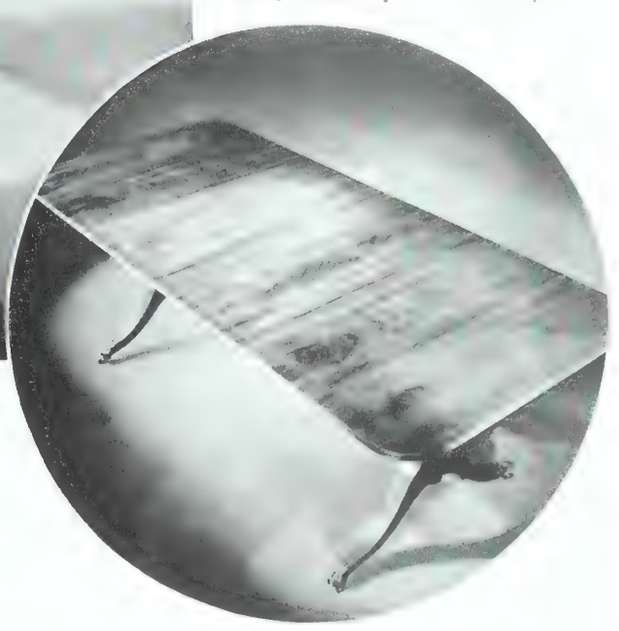


No. 6941—*"The Nankin Vase"*—Colorful, bold in design, it is a happy blending of a Chinese motif with conventionalized flowers. A wise choice for a country home, where color and life in a paper are so desirable.

No. 6932—*"The Lerchenberg"*—In the Danish Chateau Lerchenberg, Strahan found this quietly beautiful design. Possibly it was inspired by the pattern of tiles on a floor or stove . . . certainly it has the repose that is essentially livable. The small illustration shows this paper layed horizontally on the walls.



The largest small table we have ever found. It is both extension and drop-leaf. With leaves down it has a friendly living room character; with the leaves up and fully extended it will dine 8 people. Write today to our Dept. E for our free, illustrated book, "How to Know Good Furniture," describing hundreds of other Danersk pieces



Old New York and old Virginia meet

The new Danersk Randolph group fits every requirement of people whose tastes are cultured, but whose budgets are modest.

Connoisseurs agree that the ideal dining room group in American Federal mahogany is a collection of pieces from two sources far apart geographically, but closely related in tradition; Duncan Phyfe dining table and chairs, from Old New York; together with Hepplewhite serving table and sideboard, derived from the hunting tables of Old Virginia.

This, then, is the aristocratic basis of the Danersk Randolph group.

Its rare simplicity will be especially prized by collectors; for they, of all folk, know how widely and patiently one must search to find simple pieces of such distinguished pedigree.

In designing and building this chaste mahogany group, we kept in mind the limited size of most present-day dining rooms, and also the special requirements of the combination dining room and living room.

Modern science has aided our master craftsmen to make the Danersk reproductions even more perfect in joinery than the original antiques — nevertheless, the Danersk prices are exceedingly modest. Come and see this choice group, and many other new pieces for each room of your home.

Erskine-Danforth Corporation, *Designers and makers of choice furniture.* NEW YORK: 383 Madison Avenue; CHICAGO: 620 North Michigan Avenue; *Distributors:* BOSTON: 132 Newbury Street; LOS ANGELES: 2869 West 7th Street.

DANERSK FURNITURE

SPRAEDALE



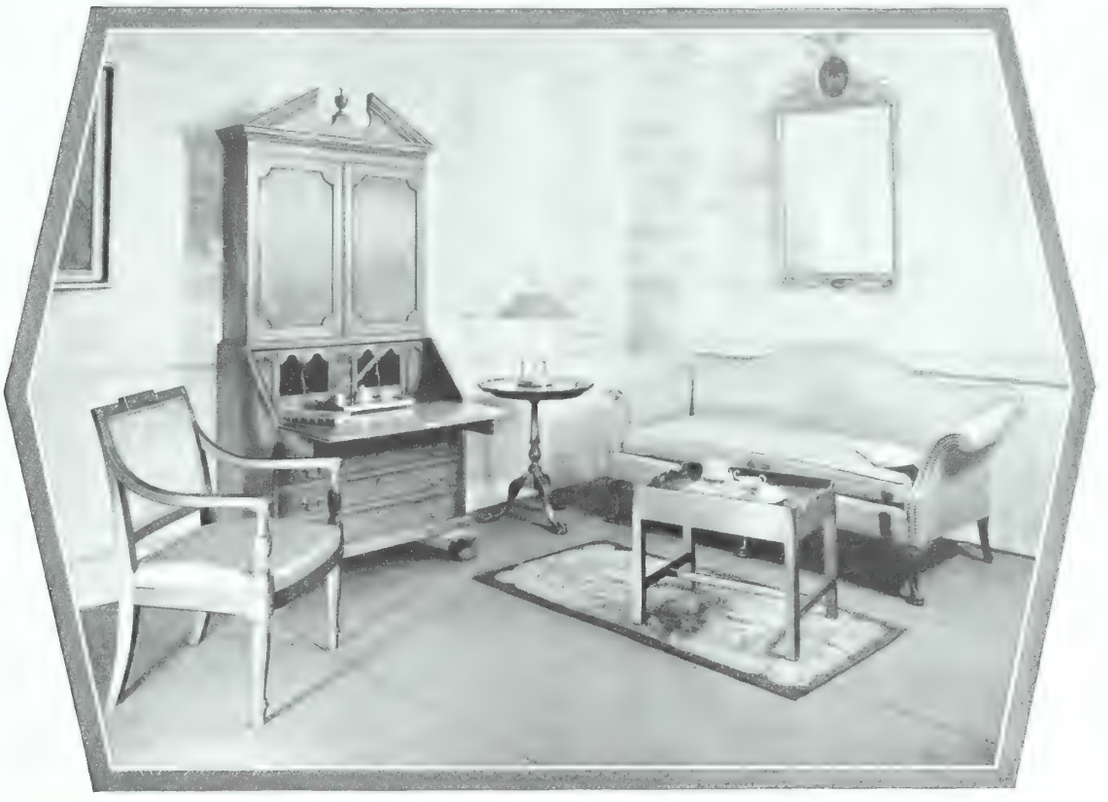
In this dining room, the walls are papered with cream-colored paper with a delicate flower design. The hangings are deep green damask, and the color-base of the Spraedale Rug is Ferncliff Green. The furniture is mahogany Duncan Phyfe.

A borderless Axminster Rug of cushiony depth of texture patterned with delicate sprays of flowers against a solid color background—especially created by Cochrane to harmonize with period furnishings—the Early American and French Provincial periods now so much in vogue.

CHARLES P. COCHRANE COMPANY, PHILADELPHIA

COCHRANE RUGS

CHARAK



Delightfully homelike interiors may be created by the grouping of occasional pieces of Early American Furniture.



This love seat, beautifully upholstered and stuffed with down, has the characteristic gracefulness of the Queen Anne Period.

CHARAK Furniture is noteworthy for its fidelity of design, quality of materials, and faultless workmanship, as well as for its moderate cost. ★ ★ It is adaptable to almost any type of home. ★ ★ If your dealer or decorator cannot show you Charak Furniture we suggest that you visit one of our showrooms or, if that is not convenient, send for a complimentary copy of our interesting little book—"The Charak Primer".

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D-2

It's natural for a woman to love fine leather

D-1 . . . An underarm bag, of finest imported English calfskin, wood grained in brown. No two bags are grained alike, since all graining is done by hand. With a carved wood lock, and fitted with mirror and purse, the bag can also be obtained in ostrich skin and pin seal, in various sizes.

D-2 . . . A perfume case, containing four bottles with gilded cloisonné tops. The case is of ecrase finished leather, and may be had in assorted colors, in varying sizes, for traveling and for use at home.

D-3 . . . An exquisite jewel case in green calfskin, with a jade insert and gold tooling. There is a tray for rings or necklaces. Lined in green satin and silk, the case also comes in black, with the jade insert, and in a variety of colors, without the insert.



D-3

ONE of the bright omens in this day and age is an increasing regard for good taste. It finds reflection in the clothes we wear, the homes we build, the intimate possessions which surround us.

And in this renascence of beauty, articles of fine leather play a part. Women especially, from whom so much charm is derived, find in them inspiration and appeal. A jewel case, where lovely rubies tremble . . . smart book-ends, chastely carved in jade . . . a picture frame or a desk set . . . she wants such things about her.

And for the great majority of these gifts, women of a certain position in life turn to that House which has served their families for more than three generations. The method of selection is simplicity itself. They govern their choice by the presence of a tiny golden keystone.

That imprint, to be found upon all articles of fine leather manufactured by C. F. Rumpp & Sons, Inc., of Philadelphia and New York, is ample warranty . . . as it has always been . . . that the piece is pre-eminent for the quality of its material, for craftsmanship, and for its rich endowment of beauty.

C. F. Rumpp & Sons, Inc., manufacture fine leather articles of every description, excepting luggage. They may be had at the better jewelers, department stores, haberdashers, stationers, and leather goods stores.

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PHILADELPHIA AND NEW YORK
ESTABLISHED 1850

"OLD FRANCE gave me inspiration for this furniture design"



SAYS
GILBERT ROHDE

Member of the American Union of Decorative Artists and Craftsmen, and creator of the new Heywood-Wakefield furniture





HERE YOU SEE even more clearly the fine lines of the French Provincial design.



THE QUAINT FURNITURE OF PROVINCIAL FRANCE inspired this charmingly formal design in stick reed. Note the many convenient accessory tables. This suite is entirely at home in penthouse, terrace or sunroom—and, like all Rohde-designed furniture, is very, very comfortable.

. . .

THIS DESK—available, if you prefer—is one of the attractive and convenient accessories in the French Provincial suite.

CALL it Old World inspiration if you will—but not even modern Paris, the style center of the world, can equal the designs Gilbert Rohde has created exclusively for Heywood-Wakefield.

That's what prominent designers and decorators say. One glance tells them this furniture is something brand-new . . . different from anything they have ever seen.

You'll see it, too. You don't need a stylist's knowledge to recognize the distinctive smartness . . . nor an artist's eye to appreciate the beautiful lines of this new furniture.

Even the upholstery is perfect . . . almost as if it had been specially made. Isabel M. Crocé, specialist in upholstery materials, spent weeks in making a personal selection of these smart patterns and fabrics. They are the last word in correct design and color harmony.

Where can you see these new Heywood-Wakefield designs? At any of the better stores. They're on display now. Just ask for them.

HEYWOOD-WAKEFIELD

Executive Offices, Boston, Mass.

Makers of Fine Furniture

DYNAMIQUE CREATIONS

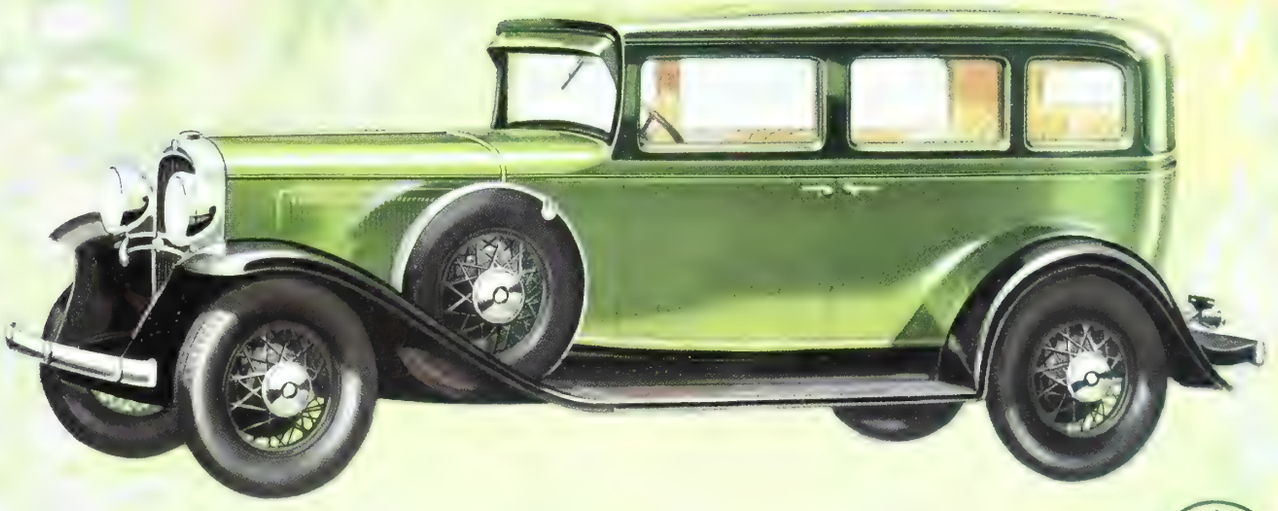


STRONG—WITH DELICACY OF LINE . . COLORFUL—WITH SUBTLE OVERTONES • A living room in DYNAMIQUE is a room where people really *want* to live. The exotic woods are burnished to a glow . . . pale tones as well as deep ones. The tables are graceful in line—yet have a sturdy stance. Chairs and couches have soft generous ways about them. Desks are workmanlike—and beautiful, as well. The book cases take the size of modern books into their plan—and have little niches for treasured bibelots. No wonder that *homes* grow about such furniture!

Our collection of DYNAMIQUE includes charming occasional pieces as well as suites. All of exquisite woods, beautifully designed.



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FISHER has created bodies for the new Oldsmobile Six which are smartly styled and brightly finished in the sunny hues of spring, and which combine a wealth of comfort and a wide utility.

These bodies by Fisher are ready for the swift changes from sun to shower—ready with carefully engineered, easily operated window regulators and the Fisher vision-ventilating windshield. They are snugly insulated for the chilly day—instantly made cool and airy for the warmest weather.

Furthermore, Fisher wood-and-steel type construction provides Oldsmobile with bodies of greater strength plus resilience—eliminates squeaks and rattles and assures comfort and good-looks through many seasons.

Be sure to examine carefully the new Oldsmobiles and compare their greater value. For in Oldsmobile's price field, the new Oldsmobile Six alone will give you these important Fisher superiorities, because Oldsmobile is one of the General Motors cars—the only cars with Body by Fisher.

BODY BY FISHER

LOOK TO THE BODY!

FISHER BODY CORPORATION · DETROIT, MICHIGAN
Division of General Motors

Announcing

VELTONE

the New floor



Elsie Sloan Farley

prominent New York Decorator, chose one of the new Veltones when designing this distinctive living room. The pattern shown is "Zanzibar" No. 2951.

To give you a *new* floor, more beautiful than any surface which ever felt the tread of your heel . . . to produce, almost magically, a soft, carpeted effect in a modern, sanitary flooring. That is what we set out to do. And did. The name is *Veltone.*

Veltone fills your room like a rich, soft carpet—the finest broadloom carpet—an unbroken flow of mellow color from wall to wall. For there are no tiles in this unique, new flooring, no violent contrasts, nothing to disturb the harmonious color rhythms. When laid, it is apparently seamless—rich, yet always restrained.

And *Veltone* brings you a beauty never found in carpeting—the beauty of infinite variety. Every square yard has its own personality—a delightful individuality in color blending.

Veltone is a "floor for reflooring." Picture it in your living room—a splendid background for scatter rugs. Or in your dining room, laid right on top of the old, time-scarred floor. Imagine *Veltone* in your bedroom—warm, cheerful, intimate—rejuvenating the entire room.

Veltone is a *Sealex Product. Leading department, furniture and linoleum stores have welcomed it as an outstanding contribution to floor decoration. See it for yourself. Its beauty is too elusive to be captured by anything but the human eye. See *Veltone* today!



"CAPRI"—*Sealex Linoleum No. 3201*



SEALEX

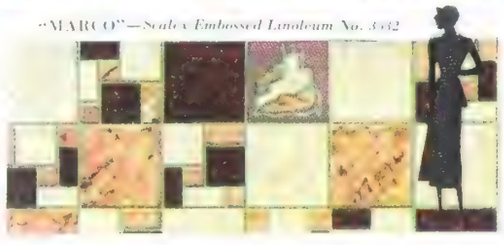
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LINOLEUM FLOORS

"MAYFAIR"—*Sealex Linoleum No. 3216*



"MARCO"—*Sealex Embossed Linoleum No. 3332*



**SEALEX* is not just another linoleum. It is the modernized linoleum. Modernized in finish—for its surface is spot-proof, stain-proof, easily cleaned. Modernized in design, too—for whatever you desire, in color or pattern for any room, *Sealex* has.

For permanent beauty and lasting satisfaction—make *Sealex* your choice. You will be surprised too, how reasonably priced are many of the most beautiful designs.

CONGOLEUM-NAIRN INC.
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DESIGNED-TO-ORDER FLOORS—may assume practically any design you may desire. Colors can be artfully combined, unusual symbols can be incorporated. We will gladly furnish names of firms equipped to install made-to-order *Sealex* floors.



GAILY *you'll dine– if your walls are gay*

How often a dinner party has been carried to success by the atmosphere of a charming dining room. The sheen of napery . . . the gleam of silver . . . the sparkle of glass . . . against a background made lovely by just the right wallpaper. And how often a dull and dowdy room has condemned parties to mediocrity.

Sometimes the dining room is the most difficult room in the house. But in a skillfully chosen wallpaper lies unexpected magic. Artfully it reveals new beauties, conceals old ugliness, turns faults into virtues. That low ceiling takes on character . . . the lack of light is balanced by just the right color harmonies . . . while clumsy furniture borrows elegance from a graceful design. And your whole room is transformed, like Cinderella arrayed for the ball.



THE WALLPAPER ASSOCIATION



There is an infinite variety of wallpapers . . . and just as different is their effect on the appearance of your room. So to help you The Wallpaper Association has published a handbook which contains almost everything you need to know about decorating with wallpaper. This interesting new book is called, "Improve it with Wallpaper." It comes to you for 10¢ and with it you obtain the right to free advice at all times on your own individual decorating problems.

F-1

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Acquires Sunny Charm in Celanese

Rooms to be lived in . . . whose windows must extend a welcome to sun and air . . . find both charm and practicality in Celanese Fabrics. Celanese Voiles or Ninons as glass curtains . . . Celanese Taffetas, Satins or Permanent Moires as draperies . . . in clear, mellow tones, combine to give a softly diffused light . . . to add a rich color note to every decorative period. From the practical standpoint, weaves of Celanese are unique in the decorative field. They have a natural, luxurious suppleness—entirely free from loading . . . are not injured by rain or dampness . . . do not shrink or stretch . . . or mold or mildew . . . will not split or crack . . . and pass through repeated cleanings with the beauty of their textures and colors intact

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Draperies of Celanese Taffeta in a coral lacquer shade contrasted with African brown, over glass curtains of Celanese Voile in a silverwing tone, combine effectively in this window treatment for a morning room.
Arden Studios, Inc., Decorators.



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WHERE is the bride who does not find greater pleasure in a bouquet from a fashionable florist—and value more highly the gems from a famous jeweler?

Present a gift from the House of Jackson and you not only pay flattering tribute to the recipient's love of the beautiful and artistic, but honor that worldly, yet human, trait which makes us all doubly appreciative of a gift from a distinguished source.

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The Wm. H. Jackson Company's supremacy in the casting and modeling of metals is exemplified by the unrivalled beauty of Jackson's Lamps, Smoking Stands, Book Ends, Andirons, Fire Sets and other objects of art and utility for the home—and is dramatized, on a vastly more impressive scale, by the magnificent Bronze Doors, Gates, Grilles and Windows created by this highly skilled organization of artists and artizans to adorn the nation's finest public and private buildings.

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A charming little Silver Boudoir Lamp of Adam design, with smoke-colored bobeche all with cut-glass prisms, medium silver plate on solid brass. Height 15". Lamp $50, Shade $24.



A finely designed Smoking Stand which reveals the free-swinging, scroll-like curves of the Georgian Period. Removable tray of lovely opalescent blue glass. Silver finish. Height 33¼", Price $50.

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A Louis XVI Table Lamp which most artistically adapts the "flaming torch" of olden times to modern lighting needs. Height 29½". Silver or gold finish—with a fine silk shade beautifully fluted and satin lined. Lamp $85. Shade $30.

Delightfully sturdy "Pegasus" Book Ends finished in Green Patina Bronze and Gold. Height 6⅞". The pair $40.

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Just as soon as you *do* tire, eat a few pieces of Schrafft's candy. Notice how quickly your energy comes back. Schrafft's candy is one of nature's shortest cuts to stimulation through food. For your health's sake keep Schrafft's handy when you work or play. It is a delicious and delightful pick-up. Sold everywhere . . . 60c to $2.00 the pound.

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REMEMBER — *Easter comes on April Fifth. Schrafft's candy will make the day particularly pleasant.*

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gives you quick energy for a QUICK COMEBACK

W. F. SCHRAFFT & SONS CORPORATION • *New York and Boston* • OWNED AND OPERATED BY FRANK G. SHATTUCK COMPANY



A new "dress" for your walls

. . . so vastly *different* . . . so permanently *lovely*

ONCE in a lifetime comes a revolution in fabric creation. In the field of wall coverings that revolution is Permatex. Never have you known a wall covering anything like it—either in beauty or lasting service.

Picture on your walls a charmingly tinted, delicately figured, softly lustrous fabric resembling the finest satin your fingers have ever caressed. Picture this beauty made *permanent*—and you have Permatex. You'd scarcely believe that such rare beauty could be *waterproof*. Yet Permatex *is* waterproof. You can actually keep its loveliness fresh and vivid simply by rubbing the surface with a dampened cloth. Permatex will not crack, "peel," grow brittle or sticky, nor will it grey off.

Little wonder that Permatex has already set a wide and growing vogue. Little wonder, too, that one of America's leading wallpaper houses—Richard E. Thibaut, Inc.—has sponsored its authoritative designing, and, in association with the other well-known firms mentioned on this page, is featuring Permatex—which is your warrant of quality.

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A dampened cloth keeps the lustrous beauty of Permatex fresh and vivid.





"Why, my old room has grown up too! How smart! What lovely carpet!"

It had been a very pleasant room. Would it still seem so to Edith when she returned from school at Easter? Mother wondered. That rug had never really suited the room...

Clever mother! She selected a carpet just *made* for a girl's room, in colors attuned to the walls and furnishings. It made the room look larger, gave a charming air of coziness. "Oh, lovely, lovely!" cried Edith.

"But, mother, *why* did you lay out so much money?"

That was the biggest surprise of all; the carpet had *not* been expensive. Bigelow-Sanford rugs and carpets, loomed by the oldest and largest weavers, meet every taste and *fit every budget.*

We'll gladly send you, *free,* a complete plan of Edith's room, with full description of the furnishings; also, our illustrated folders and the name of a nearby Bigelow-Sanford merchant. For $1 a beautiful, bound book, *Decorating Your Home,* will be sent, too. Bigelow-Sanford Carpet Co. Inc., 385 Madison Ave., New York.



Carpets *(sq. yard)* ***$2.15 to $10***
Rugs *(9′ x 12′ size)* ***$20 to $180***

In quality of weave, in clearness of coloring in beauty of design, Bigelow-Sanford carpets and rugs have excelled for generations

Look for the BIGELOW-SANFORD *name, the mark of quality on the back of every genuine Bigelow-Sanford rug and carpet*

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THE EIGHT AS BUICK BUILDS IT



In high favor among those who choose the finest

In selecting a motor car, some are guided by beauty of appearance—sparkling harmonies of color; coachcraft of obvious excellence.

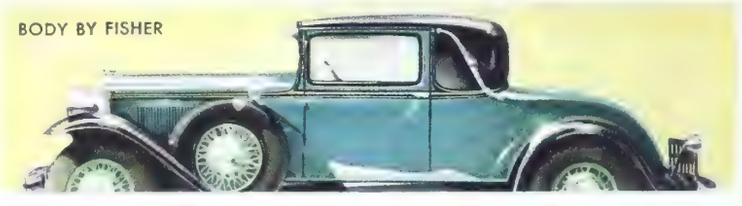
Some think first of brilliant performance—an engine smooth and powerful; effortless ease of handling.

Others look to the stability and resources of the builder—authority for engineering advancements; position in the industry.

But whether one, the other, or a combination of all constitutes the deciding factor, the Eight as Buick Builds It is invariably the favorite among those who choose the finest.

Evidence of this great popularity lies in the fact that 56 out of every 100 purchasers of the 15 makes of eight-cylinder cars priced from $1000 to $2000 buy Buicks.

The new Buick Straight Eights, in four series and four price ranges, are offered in 22 luxurious models, from $1025 to $2035, f. o. b. Flint, Michigan.



WHEN BETTER AUTOMOBILES ARE BUILT . . . BUICK WILL BUILD THEM . . . A GENERAL MOTORS VALUE

DIRECTORY OF DECORATION & FINE ARTS



Sheraton Kidney Shaped Dressing Table

WALTER JOHNSON, INC.
INTERIORS AND ANTIQUES
818 Madison Ave., New York City
Telephone REgent 4-0575

THE dramatic personality which is inherent in Calla Lilies makes these flowers unusually effective decorative assets. Those illustrated have been skillfully fashioned of white crêpe paper. Stems, of heavy green rubber, are wired inside, making possible a variety of naturalistic and artistic arrangements; $1.50 each. Silver luster vase $5. Darnley, Inc., 395 Madison Avenue, New York City.



WOODEN wall paneling may now be purchased in the same form as wall paper—in rolls. This analogy also includes the method of application and the consistency of the strips, which are so thin that only a scissors or a sharp penknife is required to cut them to any desired size. Flexwood is a real wood which by a newly developed process has been made completely pliable across the grain.

The advantages and results of so drastic a change in the character of wood are illimitable. Of primary importance is the fact that walls of wood have now been made available to a large group of people to whom the considerably higher price of the customary plywood paneling has been considered as prohibitive. In addition, the flexibility of handling which this new manner of wood permits promises to lead to the growth of at least a few interesting new style trends in the treatment of wall surfaces. American walnut, oak and mahogany may now be obtained in Flexwood form.



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AND
RUSHMORE
Interiors, French Antiques
Lamps and Shades
555 MADISON AVENUE
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Height 36"
Width 25"
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THIS CHAIR upholstered in hair with separate down cushion and in any of a large selection of chintzes. $40.

Chintz samples sent upon request

McPherson & Foot
Consulting Decorators
1043 Madison Ave. at 79th St., N. Y.



A PORTION of a submarine garden decorates some particularly lovely DeMorgan tiles. Colors in these tiles are the deep, cool, vibrant shades of the sea's depths—myriad blues and an intense green. These tiles, which measure about 6¼ inches square, are especially notable for their beautiful pewter mounting. The price per tile, is $15. They may be had from Cauman, Inc., 795 Madison Avenue, New York City.



Wooden "Star Child" Bank . . .

$2.25. "Star Child" alone . . . $1.00.

. . . *while they last*

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New York



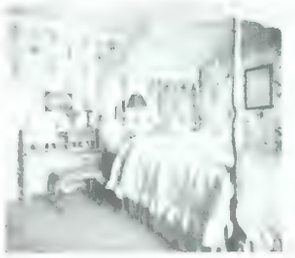
French Day bed—Complete $250
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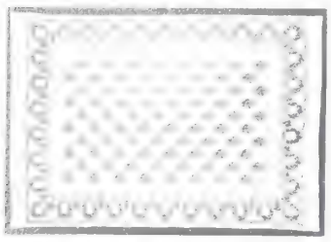


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Imported
Hand Blocked Spread

Cream background, design in rose and green, orchid and green, rose and blue, blue and green. Guaranteed fast colors. Draperies can be made from this bedspread.

72 x 103 $7.25
90 x 103 $9.00 *Postpaid*

HOUSE OF CHARM
Dept. G
79 Madison Ave., New York City



THEIR casual grace and charming air of detachment make this dancing pair an unusual decorative note for a mantel or the top of some furniture piece in an odd corner of a room. Of Cowan lustrous pottery, these ornamental figures stand 9 inches tall and are colored in vivid yellow, purplish blue, yellow-green and blue-green. They are priced at $15 the pair, at the Brownell-Lambertson Galleries, 106 East 57th St., New York City.



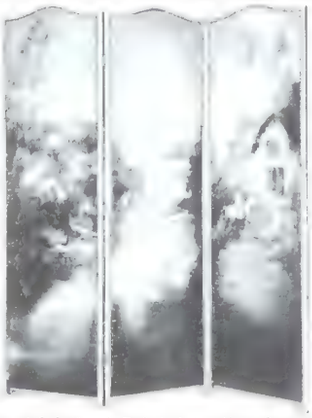
Mrs. Richardson Wright
invites you to an
Exhibition of
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THE
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443 Madison Avenue
NEW YORK CITY

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EXCLUSIVE GARDEN FURNITURE
DRESSING TABLES
WALL PAPERS AND SPECIAL
CHINTZES

THE collection which the Arden Studios have arranged for their Spring Garden Exhibit is peculiarly outstanding because it is a sincere and original attempt to achieve a distinctly national form of art. Thus all the furniture exhibited takes the form of an adaptation of those idioms which are characteristic only of the artistic designs of the early inhabitants of this Continent. The analytical simplicity and geometrical construction upon which all the motifs of these first Americans are based make them especially adaptable to contemporary design, of which these principles are also a distinguished feature. The Arden Studios have been extremely successful in this endeavor and have produced an assemblage of effective garden furniture in stone, wood and metal, of striking design and, in many instances, of truly beautiful coloring.



Beautiful Hand Painted Leather Screens

catalog "H".

Venezian Art Screen Co., Inc.
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THROUGH YOUR DEALER OR DIRECT

LUNCHEON tables, this spring, borrow their colors from the garden. The bouillon cup and two plates illustrated are a sunny, daffodil yellow, with narrow border of mulberry and deep leaf green. The set is a reproduction of an old Nove pattern, and is imported by the Carbone Co.; 9 inch plate, $21 a dozen; 6 inch plate, $9; bouillon cup, with cover, $27 the dozen. From Mrs. Wiltbank, 764 Madison Ave., New York City.



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CLOSETS!

These standard units for your closets have EASY SLIDING DRAWERS, guaranteed not to stick,

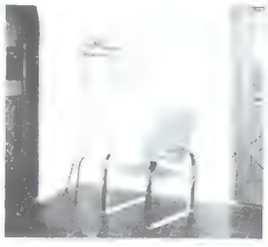
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Gnome Illustrated— 22 inches $15.00

F. B. ACKERMANN
Importer
50 Union Square New York

FROM the disk-like crystal base of this boudoir lamp rises the shaft, composed of two square columns of unequal size—one of chromium, the other of crystal. The shade is made of Lumarith, a material which resembles parchment but is more translucent, and can be had in five pastel tints and white and gray. The lamp's total height is 19". Shade, $9; base, $19.50. Design by von Nessen. Retailed by Pablo Bangerter, 9 E. 54th Street, New York.



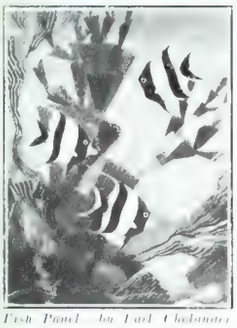
AMONG the typical contemporary rooms on exhibition at the Modernage Fifth Avenue Galleries is a Cinema Room, the most recent addition to the list of those functional rooms which are becoming so integral a part of the modern home. We have had the game room and the bar. Now comes a chamber devoted to the "talkies." In a minimum of space, 7 feet wide by 15½ feet long, all the facilities of a well equipped motion picture theatre have been included, with accommodations for an audience of a dozen people. Sixteen millimeter sound moving pictures can be projected on the small screen which at the same time acts as transmitter for the sound accompaniment. Below the screen, a phonograph and radio apparatus are concealed in a cabinet which can also serve as a seat for prospective lecturers.

ORIGINATORS AND DESIGNERS OF RUTLINS GARDEN FURNITURE



RUTH COLLINS
INTERIOR DECORATOR
23 East 64th Street
New York

Brownell-Lambertson Galleries Inc.



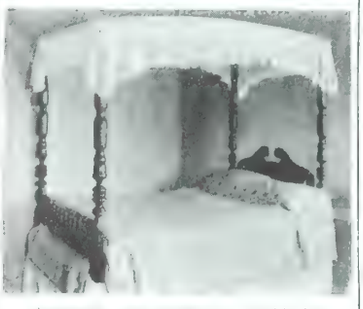
Fish Panel — by Earl Cleboume

MODERN INTERIORS
DECORATIVE ARTS; SCULPTURE
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106 EAST 57TH STREET
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THESE good-looking wooden book-ends are available in three colors—blue, green and red—softened down to an attractive mellowness by antiquing. The prints with which they are decorated are outlined in gold and depict an old coaching scene. These book-ends measure 5¼ inches high by 5 inches wide, and cost $7.50 a pair. A. L. Diament & Co., 101 Park Avenue, N. Y. C.

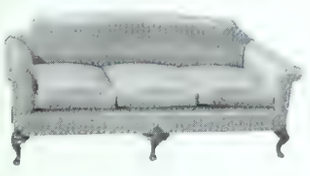
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GUARANTEED WEATHERPROOF

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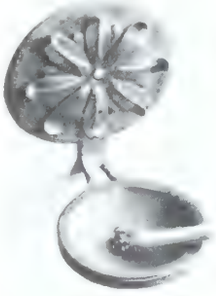


A REPRODUCTION of a typical New England style of hanging lantern, this porch lantern is exceptionally well made, of brass and cloudy glass. Two lights, imitating candles in form, ensure its providing adequate illumination. Such a fixture will be a charming and appropriate addition to the exterior of any house designed after an Early American manner. Lantern itself measures 13 inches high. $42. Todhunter, Inc., 119 East 57th Street, New York City.

THE recently opened seventh floor of R. H. Macy & Co. represents the inauguration of a new era in methods of merchandising home furnishings. The departments included are exclusively those which associate themselves with interior decoration, and the unique feature of the group is the establishment, throughout the entire floor, of complete coördination as to style trends and color.

This is the first time that the ensemble idea has been accomplished on so vast and inclusive a scale, embracing as it does the selection of rugs, lamps, curtains and upholstery and the innumerable related accessories for the home. This arrangement, combined with the fact that the salespeople in each of the departments are experts in their individual fields, does away, to a very large extent, with the necessity of professional advice in minor matters of home equipment.

A CONVENIENT ash tray that will always be in the place where it was last seen is one that is securely nailed to the wall. Here is a decorative ash tray of this type made of wrought iron, with circular shield back to which has been applied a rosette of the same metal. The tray itself rests on an iron ring and is easily removable for emptying. $9. From R. C. Bullard, Grand Central Terminal Building, New York City.

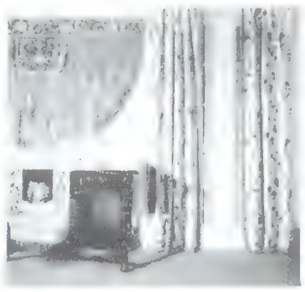




No garden is complete without a time-telling Sun Dial. This one is 9" in diameter and made of solid polished brass. $8.75 postpaid.

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The furniture is hand-made of iron tubing, which makes it very light in weight. The iron frame is finished with Forest Green Lacquer. Back and side are of hand woven tulle, a plant which grows in local lakes and streams. This furniture has a ring base which prevents it from sinking into or marring lawns and also adds to the structural strength. Table priced at $16, chairs priced at $13.75 each. Sold to decorators or may be purchased direct. Send for catalogue.

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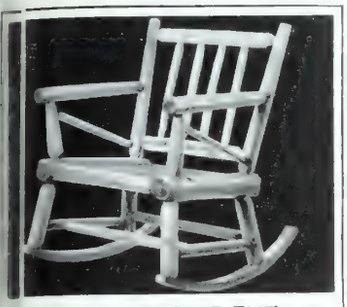
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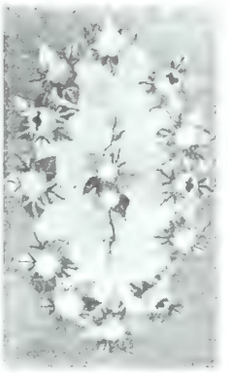
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HABITANT SHOPS

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IN spite of the ardent activities of enthusiastic modernists, the charm of the old-fashioned flowered hooked rug is undiminished. The one illustrated was chosen because its coloring and type of pattern make it generally usable. The center is a medium tan and the border is a dark gray-green. Flowers are multi-colored, with particular stress on vivid blues, lavender and rose. 36 inches wide by 60 inches long, and costs $37.50. A. P. Porter, Cedar Swamp Road, Glen Head, L. I.



NEW fabrics and new ways of using older ones featured the decoration of a modern card room seen at the offices of the Shelton Looms. The cushions of the sofa were covered in laplain—a pile fabric that simulates lapin, the popular fur. The upholstery of an easy chair was done in a silk velvet in a rain-drop pattern. This material resembles antiqued velvet, the difference lying in the fact that the threads have been dropped at regular intervals to form a definite pattern. Transparent velvet was used for both over curtains and glass curtains. That of the glass curtains had been processed with acid to etch out a design in the pile—the result being an effect of chiffon-like fragility. Another interesting idea is the use of utilitarian items as decorative accessories. For example, an archery set is employed as part of the wall ensemble.



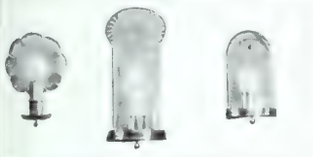
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PRACTICAL and good-looking, this stationery box, made of tin and featuring a convenient handle, would be an ideal accessory for the man's desk. It is 7½ inches long by 4¾ inches wide, and 4½ inches deep. A central partition divides the box into two sections. The only decoration is an old print in faded reds, yellow and blue, covering one side. The price is $3. From McPherson & Foot, Inc., 1043 Madison Ave., N. Y. C.



"Boy With Shell" *Height 48 inches*

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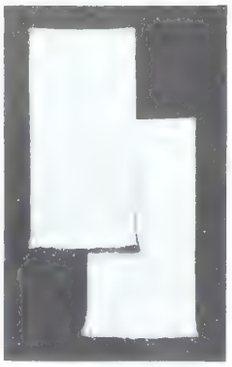
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SILVER that will never tarnish has at last been produced. To the International Silver Company belongs the formula which has been the goal of silver manufacturers since this metal's first beginnings. There have always been silver polishes. But the worth of the most excellent was lessened by the work entailed and the temporary character of the effects produced. Lacquer coating, which is a rather recent innovation, has been found to have a very undesirable tendency to peel off. A platinum metal, which does not tarnish, is the basis of the new "Palladiant" process by which a protective finish is now applied to the International Sterling ware. Under the usual circumstances of wear, though the silver be constantly used, Palladiant will remain in perfect condition. For cleansing, ordinary washing alone is required.

THREE shades of blue combine in this bathroom set of two bottles and a powder jar, of Cappellin glass. The transparent glass bottles have accents of glowing ultramarine on sides and stopper. Of palest sky-blue opaque glass, the powder jar is related to the bottles by the ultramarine knob on the lid. Bottles, $12 a pair. Jar, $9. Hammond & Taylor, Inc., 350 Madison Ave., N. Y. C.





The 1931 mode in a
DRESSING TABLE!

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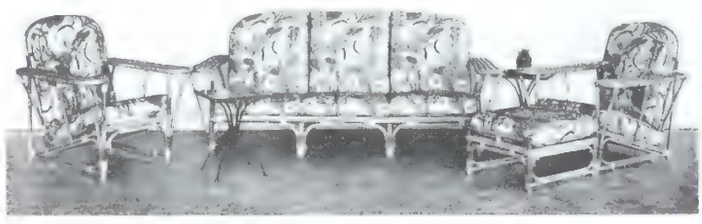
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Its chief charm—be it formal or informal in design—lies in the fact that it is TEAK. Shipbuilders for centuries have prized this above all woods. You will, we are certain, welcome it to your porch or garden for the same reasons. For TEAK does not splinter, need not be painted or stained, resists insect attack—in brief, it will last a lifetime and grow even more beautiful with age.

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THE Annual Exhibition of Contemporary Decorative Art by members of the Art Alliance of America held recently at the Art Center was less insistently modern than the similar exhibitions which have preceded it. This may be taken as a gauge of the increasing moderation characteristic of the best expression in the field of modern decoration. In the present exhibition, this trend is especially noticeable in the furniture and decorative accessories which were contributed by Alexander Kachinsky, Donald Deskey, Margaret Kay, Hugo Gnam, Gilbert Rohde, Wolfgang and Pola Hoffmann, Ruth and William Gerth and Russell Wright.

A Victorian room designed by Christoph Castou is the outstanding decorative unit of the exhibition. While Victorian, it uses Victorian motifs as an inspiration for original ideas and bears as little resemblance to the antimacassar beaded armchair period as the present day romantic fashions in women's dress reproduces the bustles and ruchings of the costumes worn at that time. Using a scheme of oyster white, gray and raspberry with accents of flesh pink and china blue, Mr. Castou achieves an effect of elegant sophistication. Miss Isabel Whitney has painted floral motifs on the white walls and James Lindsey McCreery has carved a formal flower motif on the chaise longue which contributes a distinctive and original note to the decorative scheme.

BECAUSE of such structural exigencies as juts, beams and difficult window placings in modern apartments, hand-painted walls which can make of these defects actual features have been increasingly returning into popular favor. Also, unique mural effects have become something of a fad, and even when room proportions and other factors make for ease in decoration many people today prefer painted walls to any other types of treatments.

To facilitate the layman's search for the proper artist to execute various kinds of murals, provide the artists with coöperation in business arrangements and, where needed, helpful supervision of masters in the field, a number of prominent architects, decorators and editors have formed what is known as "The Bureau For Mural Decoration", located at 424 Madison Ave., New York City. This bureau is in a position to furnish original designs from either eminent or little-known artists. Charges depend solely on the amount of work to be done, the intricacy of the work, plus the original cost of the design. Mr. Paul Domville, a member of the National Society of Mural Painters will act as a consultant for the bureau.



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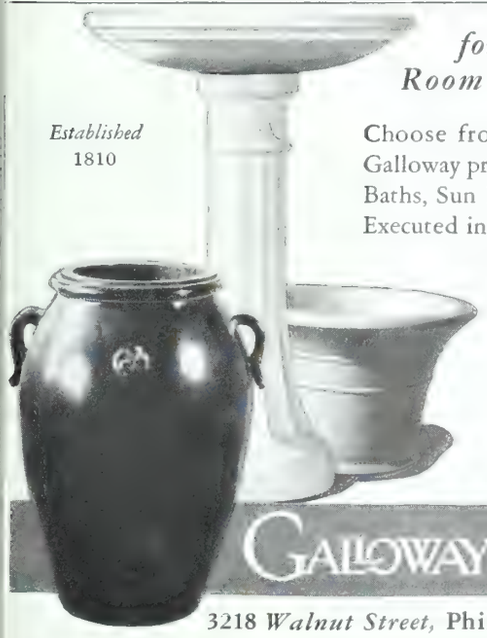


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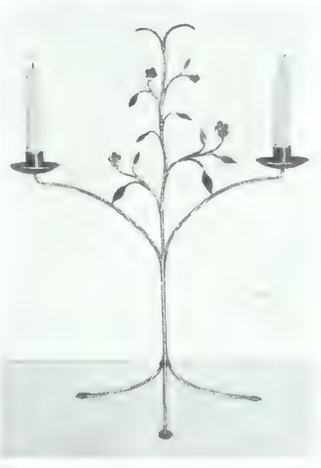
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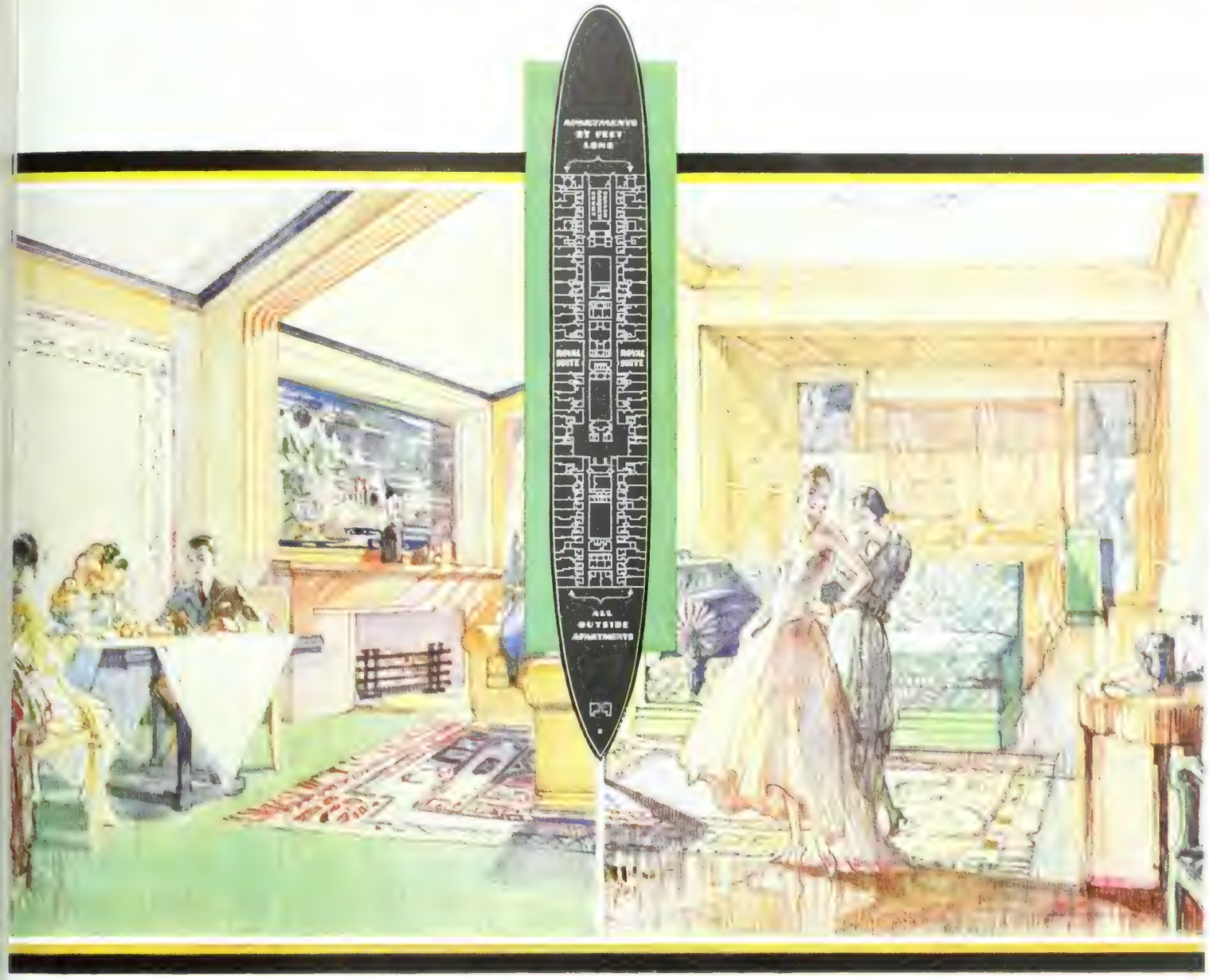
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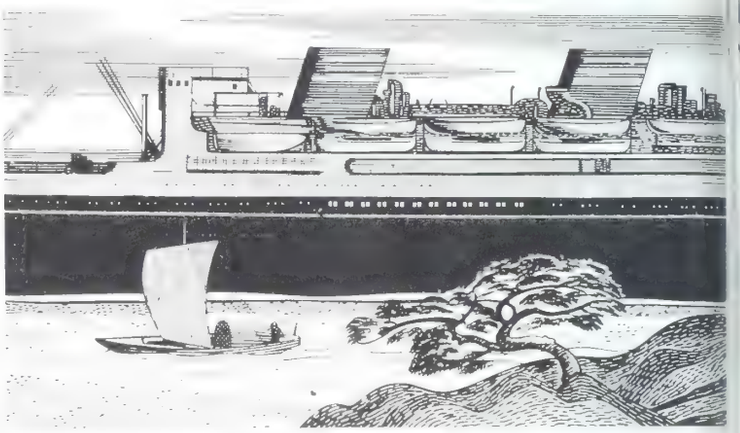
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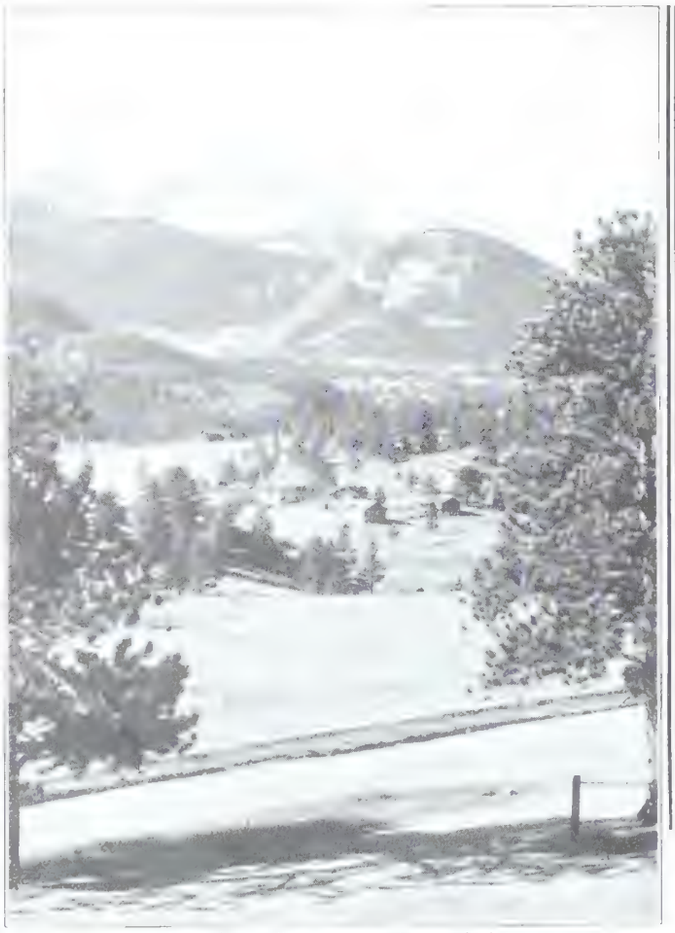
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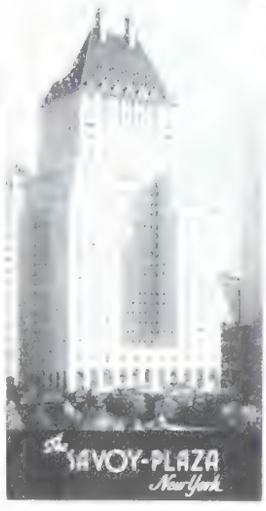
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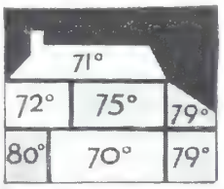
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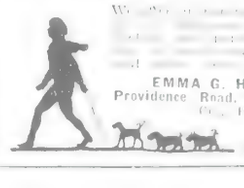


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Robert S. Lemmon

IF you can imagine a dog standing thirty or more inches high at the shoulder, beautiful in contour as the finest Greek statue of a runner, unbelievably dignified and well poised, with a certain meticulous grace that verges on fastidiousness, you begin to form a picture of the Borzoi or Russian Wolfhound. Clothe such a dog in wavy white silk with perhaps a few darker markings, give him a racing outline strongly suggestive of the Greyhound and a remarkably elongated head that seems designed literally to split the wind as he speeds forward, and the picture takes on more detailed form. And finally, invest him with all the regal quality which could be demanded by the Russian nobility of the old Czarist days. What a dog—and what a background!



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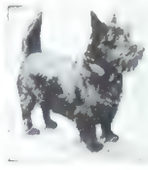
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Wolf hunting used to be the great national sport of Russia, and for that the Borzoi was developed long ago. Wolves ...ed there much as hares are today in England, and ...ture them there was needed a dog with great speed, ... and courage—enough not only to run them down, but to kill them when they had been overtaken. The hounds were kept in leash until a wolf was sighted, and then released. They followed their prey by sight rather than scent. In early days the breed was royally exclusive, being kept solely by the Czar and Grand Ducal families.

Although built decidedly on the lines of the English Greyhound, the Borzoi differs materially from that breed. His coat, of course, is moderately long instead of short—a necessary protection against the weather. He is bigger, too, and much more powerful. His head is unique—extremely long and strong in the muzzle, with very narrow and relatively short skull that shows no "stop" at the eyes. Small ears, small dark eyes, very deep chest and long, well feathered tail whose drooped, curved carriage bears out the sloping lines of the loins are other distinguishing characteristics. It has been well said by an English authority that "The Borzoi in his build and architecture seems to be an exaggeration of everything, and this is what should be aimed at—great size, with great elegance and a total absence of coarseness."

It is not as a sporting dog, though, that we in America have taken up the Borzoi, except, perhaps, in those sections of the West where he is used to a certain extent for ridding the ranches of coyotes and wolves. Somehow, with us, he seems more at home parading loftily down Park Avenue at the fashionable hour or gracing the terraces and broad lawns of some spacious country estate.

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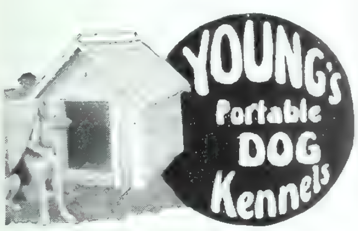


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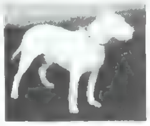
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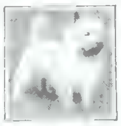
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Some excellent Borzois are being produced in this country, though the number of kennels specializing in them is small as compared with those given over to some of the more widely popular breeds. In this very restriction of breeding, perhaps, is found one of the arguments in favor of owning one of these great hounds: Tom, Dick and Harry haven't gone and done likewise.

As a guide in the selection of a good specimen, the following description from the official standard will be of value:

Head, long and lean. Skull very slightly domed and narrow, stop not perceptible, inclining to Roman nose. Head so fine that the direction of the bones and principal veins can be clearly seen. Long, deep and notably powerful jaws.

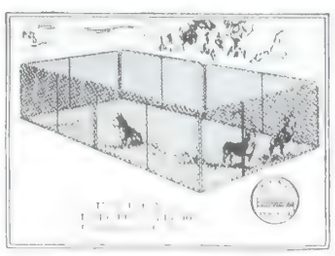
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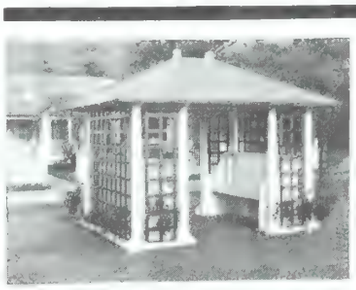
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A GARDEN house is a pleasant place on a summer afternoon. This one, in the Colonial manner, would grace the grounds of any estate. And not the least of its pleasant features is the quickness with which it is erected. It is built in sections, shipped ready to put up, and that's a simple matter. Nicely finished; size 8x8 feet, with two eight-foot benches—$150 complete. Hodgson Booklet Y-4 shows others, and lawn and garden furniture, playhouses, rose arbors, trellises, etc.

★ **E. F. HODGSON CO.**
1108 Commonwealth Ave., Boston, Mass. 730 Fifth Ave., New York

IMPORTED
Rare Specimens of Japanese Goldfish



Exclusively bred fancy Japanese goldfish recently imported from famous and largest hatchery Nara-Ken Japan, in such exquisite, brilliant colors and odd shapes as to prove a constant pride and pleasure to its possessor.

A visit to our giant tanks at your leisure will be a source of joy.

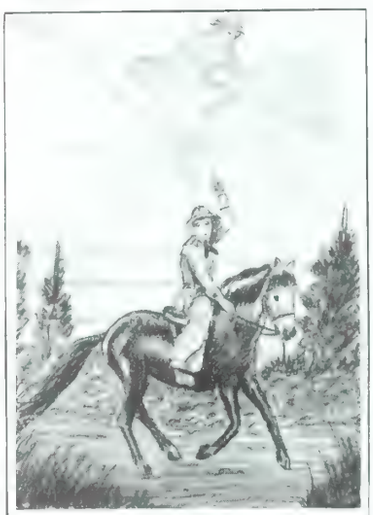
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NARA
TRADING COMPANY
Largest Importers of Japanese Goldfish
151 Fifth Ave. New York City
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Bird Houses



Artistic and scientifically designed bird houses, that will attract our song birds. Well constructed [illegible] and workmanship. Stained [illegible] White, Green, Blue, Red Slate, Gray, Stained [illegible] Inch, $1.00. Can be had [illegible] white with green roof [illegible] delivery. All shipped [illegible] Send for illustrated booklet of other designs to
Wm. Hansen, Jr.
Route 3H, Niles, Michigan.



Start him as a horseman while he's young—

CHARGING down through the orchard at the head of his cavalry troop—scouting for General Custer in his campaign against the Sioux—there's no more welcome companion you can give your boy to share in his adventures, but vicarious adventures that are pony.

Gentle, beautiful, especially bred and trained for children—Belle Meade Ponies have, for years, brought supreme happiness to youngsters throughout the country.

BELLE MEADE FARM
BELLE MEADE VIRGINIA

• REAL ESTATE GUIDE •

If the property you want to sell, or lease, is the kind of property that would appeal to the discriminating taste of the readers of House & Garden, then obviously, the place to advertise it is in these pages, where it will meet the eyes of thousands of prospects who will appreciate its fineness. Advertising rates will be furnished you, or your agent, promptly upon application to House & Garden, 1930 Graybar Bldg., Lexington at 43rd, New York City.

This is a good year to buy...

In buying or leasing properties this year it will be well to bear in mind these few facts, gathered from authentic sources.

While real estate prices are lower (in line with everything else) still there are surprisingly few "forced sales". Real estate stood up better during the last year and a half than almost any other form of investment, it seems.

The brokers' advertisements you see here are usually representative of similar properties held by the same broker in the same localities, at about the same price.

However, if you do not see what you want here, do not hesitate to write House & Garden for the name of a broker in any given locality. And if you have property for lease or sale, House & Garden is the magazine to advertise it in . . . if you want quick action.

If you do not want your name to appear, that can be taken care of by using a House & Garden box number or by advertising over the name of your broker. Write today.

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WESTPORT

MRS. H. PAINE Westport Tel. 380



WESTPORT

For Sale or Lease. Six Room House with an acre of ground. Two car garage. Servant's quarters. Has two practice greens. It is convenient to Golf, Country and Beach.

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SOUTHPORT, CONN.

Twenty acre Estate comprising Colonial house, gardener's cottage, stables, garage, swimming pool, tennis court.

Brokers Protected

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Old Frame Farm House
At Wilton, Connecticut.

Four master rooms, one bath, and two servants' rooms and one bath in lovely woodland setting, splendid views. Large Additional acreage available. Priced at $25,000 with most unusual terms.

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"Come to Connecticut"
Frost Building Norwalk, Conn.

BETHEL AND VICINITY
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Colonial home of seven rooms and bath, modern heat, water from own system. Large barn, garage, tool house, hen house, pig pens, etc. Fine orchard of over one hundred bearing trees. Property is in excellent condition throughout. Price $11,000. Other properties.

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COUNTRY REAL ESTATE

MRS. JOHN ROWLAND
Boston Post Road
Noroton, Conn.

WESTPORT

Remodelled old Colonial house with 115 acres, 2 baths, 1 chambers, library, gun decks. Land is wooded, has pond and swimming pool. Guest house, 2 bed rooms, bath, garage, stables, $10,000. Will buy acreage, part or whole.

WM. C. CODMAN, JR.
44 Post Road Tel. Westport 687

WESTPORT, CONN.

A Delightful Homestead—True New England Style—On 15 ACRES

You must see this splendid property to fully appreciate the charm. House contains seven rooms, two baths, large living room with fireplace, dining room, kitchen, maid's room and bath, and two-car garage. Grounds are well kept and include fruit trees, berries, etc. Price $15,000.

W. F. OSBORN
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Country house on hilltop with 35 acres and exclusive views of Long Island Sound. Panelled living room and dining room. Three master bedrooms each with bath; guest wing with two bedrooms, bath, and living room. Apple orchard, berries, garage, dock and stables.

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A variety of high class properties for sale on the shore and inland

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Established 1847

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Stone and frame house, 8 rooms, 3 baths, garage, 30 acres woodland. Electric, swimming pool required $8500.00.

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Phone Redding 83-4

EASTERN POINT, NEW LONDON, CONN.

FOR SALE. Reasonably priced shore front property, block and half from Griswold Hotel. Lot approximately 50 x 100. Large beach trees. Five bedrooms, three baths, living room, library, dining room, pantry, kitchen and laundry. Adequate servants' quarters for two maids, including bath and lot for garage in addition.

Box 48, R. E. Dept.
% House & Garden

CONNECTICUT



"GREENWICH"

For Sale or Lease three acre estate with 8 bedrooms, 5 baths. Perfect condition. Other real estate offerings.

Complete list of summer rentals

BANKS & CLEVELAND
(Successors to)
Raymond B. Thompson.
Established 1909

Smith Building Greenwich 866
Henry C. Banks Clement Cleveland, Jr.

Let Us Show You Greenwich

and

New home and shipyard 1 bedroom, 1 maid's bedroom and 1½ baths, 2 maid's rooms and 2 car garage. One third acre. Beautiful view, near active boat club. Priced at only $25,500.00

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Country Estates on the Shore and Inland Acreage Farms and Buildings Sites.

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Shore Front and Inland
Residential Properties
Specializing in the Residential and Sound Beach sections of Greenwich

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SOUND BEACH, CONN.

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IDEAL summer rental on the water 11 rooms, 4 baths, and 3-car garage. $3,500 for season.

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Dutch Oven Inn Noroton, Conn
Tel. Stamford 4-1850

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The Charm of Old New England with country living at its best. 1 New York

Country Homes—Estates—Farms

JOHN BROTHERHOOD & CO.
Phone 808
Opp. R. R. Station, New Canaan, Conn.

COLONIAL HOMESTEAD
LARGE BROOK

90 acres, field, stream with lake site, woodland, 12 fruit trees. Genuine 6 room and bath colonial cottage, 2 fireplaces, slate roof, white, thoroughly updated in the 18th century. Modern bathroom. Electricity available in the house. New Milford within 15 miles of NY. Price $2,500.00

DONALD M. JOSEPH
79 West St., Danbury, Conn. Phone 440

A NORMANDY CHATEAU
in the foothills of Stamford

Attractively priced, this miniature chateau presents a rare home opportunity. Studio-living room, dining room, library, kitchen, pantry, 4 bedrooms, 2 baths. Modern to the last detail. Heated garage attached. One acre, artistically landscaped.

Brokers Protected

SAMUEL N. PIERSON
Curley Bldg. Stamford, Conn
Tel. 4-1111

WESTCHESTER

Nothing compares with

SAXON WOODS

for gracious country living

Mamaroneck Ave., White Plains, N. Y.

THIS exclusive residential park with miles of bridle paths, surrounds the Saxon Woods Club. Several unusually attractive newly completed homes are now available for immediate occupancy. Also . . . interesting building sites of 100 feet frontage may be purchased from $6,500.



ENGLISH RESIDENCE

On a beautifully wooded plot of almost an acre, Southern exposure.

Featuring an enormous studio living room, dining room, breakfast room, 3 master bed rooms, 2 master baths, pantry, kitchen, 2 servants' rooms and bath. Built-in garage.
PRICE $42,500 . . . . Interesting Terms

✣

SAXON WOODS CORPORATION
Mamaroneck Ave. White Plains, N. Y.
Tel. White Plains 8727

DRIVE UP TODAY

DIRECTIONS *Up Hutchinson River Parkway. Turn right on Mamaroneck Ave. to Saxon Woods. Ask for Mr. Jack Herkimer at entrance lodge.*



Magnificent Home, Dobbs Ferry, N. Y.

Overlooking Hudson River for miles. Stucco on hollow tile—Spanish tile roof. 10 rooms, 3 tiled baths, servant's quarters, 2-car attached heated garage; convenient to station and the 3 best Country Clubs. Special feature is the large studio living room, which has magnificent walnut panelling, 14 feet high, from Caen stone to arched ceiling. Sleeping porch, leaded casement windows; oil burner. A fine 2-acre plot, facing on 2 roads, is beautifully mulched and planted; rose gardens, trees, fountain. Only 19 miles from Grand Central. **Price $45,000 offered through**

ADA F. WHITE Tel. 1119 South B'dway Dobbs Ferry, N. Y.

Other special offerings in Estates & Homes of the better class

Fox Meadow—Scarsdale

An English stone and stucco house designed by **W. Stanwood Phillips.** Nine rooms and three baths. Vapor heat with oilburner. Finest special oak trim. A regular house that will need no repairs. Price $50,000 but open to an offer.

Morton H. Reed Inc. White Plains N. Y.
REALTORS Tel. 9720

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WESTCHESTER



BERKLEY

A Notable Community Development

SCHOOL LANE AT [illegible]
SCARSDALE

Colonial residence of seam-faced Connecticut granite, distinguished in line, mass and setting, faultless in taste, emanating a gracious hospitality. A most inviting ensemble of living room, library, dining room, 4 master bedrooms, 3 baths, 2 maids' rooms, bath. Billiard room in basement. Space on third floor for three or four additional rooms with bath. 2-car garage. Half-acre plot.

There are also two other distinctive residences, of unusual beauty and charm, completed and offered for sale. One English with sandstone trim, the other Southern Colonial.

Accessibility with privacy. Highly restricted.

Six and one-half acre landscaped park with two lakes. All wires underground.
ATTRACTIVE BUILDING SITES. Folder, maps, prices, terms on request.

CRANE-BERKLEY CORPORATION Alexander M. Crane, President Walter J. Cahill, Manager
Harwood Building Telephone: Scarsdale 2716 or 3210. Office on Property

BRONXVILLE



The location of this very beautiful English type brick home is perfect, being situated on a best acre of high wooded land overlooking a large $200,000 estate. The owner built this house about 3 years ago and spared no expense in obtaining the finest of material and workmanship. He took especial pains to keep natural landscaping and lovely rock garden would be difficult to excel.

In all there are 9 rooms, 2 baths, 2-car garage, period heating equipment, etc. Located on deep lot. We shall be glad to have the privilege of showing this property without any obligation on your part. Price is NOW $65,000.

WILLIAM WATSON Inc.
139 Parkway Rd. Bronxville 1773



HAS DESIGN *and* ROOMINESS

On a corner plot of over half an acre, in Scarsdale, surrounded by beautiful homes. You pass between Colonial pillars into the stair-hall—the library is richly paneled. Large master's suite with dressing room, 4 other bedrooms and 2 baths. 3 servants' rooms and bath. Rumpus room in basement.

Fish & Marvin

East Parkway, Scarsdale, N.Y. Tel. Scarsdale 610
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Beautiful new stone house in unusual setting

Simplicity and Luxury are Combined

in this attractive country place. 10 acres—5 landscaped and 5 left wooded and wild, bordered by a small river. The house, of the finest modern construction, has 8 rooms, 3 baths, oil burner and many charming features. Guest cottage, 2-car garage. Reasonable price and terms. Only 34 miles from 42nd Street.

MARGARET LANE

Croton-on-Hudson, N. Y. Croton 400

In Vicinity of
Westchester Country Club
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New English Type Stucco house with slate roof. 12 rooms. Concealed radiation. Oil burner. Leaded Light Steel Casement Windows. Plot 1.03 acres with large trees. Details on request.



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Phone 9745 White Plains

WESTCHESTER



SCARSDALE

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Nash and Bogart
24 East Parkway Scarsdale, N. Y.

13 HIGHLY RESTRICTED HIGH ALTITUDE SUBDIVISIONS LOTS, PLOTS, ACREAGE

HORACE K. CURTIS Realtor
Chappaqua Westchester County New York
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BEAUTIFUL HOME AT SCARBOROUGH, N. Y.

[illegible]

CATERSON HOLDING CO.
342 Madison Ave., N. Y. Scarborough, N. Y.
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Shorefronts
Inland
The Hills

GERTRUDE L. FONDA

506 Main St., New Rochelle, N. Y.
Telephone 6565 — Sunday 0299

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RESTRICTED, residential waterfront property on north shore of Long Island, fifty miles from New York. Club privileges, golf, tennis, yachting. Houses, plots or acreage available.

Old Field South
555 Fifth Avenue New York

On Long Island's *exclusive* NORTH SHORE

ESTATES
WATERFRONTS
FARMS
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FOR SALE AND RENT
Great Neck to Southtown

WHEATLEY HILLS REAL ESTATE CORPORATION
BROKERS
250 Park Ave., N. Y. Ellsworth 5-0280

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Attractive country homes for distinctive buyers. Also, listings on the South Shore of New Jersey, together with those of outlying districts. For information consult:

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Oranges Maplewood

Gertrude Cook Meyer

Homefinder Realtor

East Orange New Jersey

Orange 6114 10141

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Eight rooms, 3 baths, recreation room with fireplace, interior treatment. $32,000. Large plot.

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Specialists in High Class Properties in the Hill Country along the Lackawanna

JOBS-BECK-SCHMIDT CO.

REALTORS

Opp. Lackawanna Station in Summit 6-1121



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N. J.

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for sale or rent G. R. Murray '93

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A Community of Distinctive Homes

Direction and Supervision by Mr Henry G Morse Dougal Herr

EARL C. WOODWORTH

at the Station, Essex Fells, N. J.

There's a fascination in offering *Country Properties*. That's why we specialize in them.

G. Crawford Smith

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SHORT HILLS, N.J.

ALL SECTIONS

Improved properties for sale or rent. Desirable building plots.

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Realtor Tel. Short Hills 0488

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Wonderful

Hudson Valley Estate

and income producing

Apple Orchard

SPLENDID 240 acre estate, on both sides of state highway, less than seventy miles from New York, and within one mile of the new Taconic Parkway, with a wonderful apple orchard that has produced $11,000 in revenue in one year. Fine, young, healthy trees bearing Mackintoshes, Baldwins, Wealthies, etc. The house is one of those delightful real modern Colonial homes, with ten great big rooms and bath, laundry, front and rear porches, with a wonderful view and, of course, the usual modern barns, shops, lodge, tenant's house, etc., fishing right on the property—and it is also so located that future increase in value is assured. About ten miles from the Milbrook Country Club.

Due to the fact that the owner reluctantly must move West, this exceptional place can be purchased for $75,000. It honestly is one of those places that must be seen to be appreciated. It would be wise for you to drop everything right now and look at this place. It won't be on the market long.

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J. Hallo & Son INCORPORATED

To Meet Every Need and Every Purse

251 MAIN STREET POUGHKEEPSIE, N. Y.



"Hills of the Sun"

ONTEORA PARK

2,500 feet above sea level

in the heart of the Catskill Mountains. A restricted year-around country club colony in the midst of 1,000 acres. Golf, tennis, swimming, polo, riding, dancing, theatre and hotel effort. Private cottages for sale or rent. Cottage rent from $250 to $1,000. Three-room cottages, beautifully furnished, $1,000 to $2,000. Two-acre to half-acre plots, Nos. 1 to 4, Hills of the Sun, New York, equally accessible by motor.

POTTER, HAMILTON & CO., INC.

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Delightful Virginia Estate

On Robinson River, Piedmont Section Virginia 1400 splendid acres improved by 16 room, five bath brick residence. Interior by Tiffany. One hour to University of Virginia; two hours to the National Capital—by motor or train.

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If the property you want to sell, or lease, is the kind of property that would appeal to the discriminating taste of the readers of House & Garden, then obviously, the place to advertise it is in these pages, where it will meet the eyes of thousands of prospects who will appreciate its fineness. Advertising rates will be furnished you, or your agent, promptly upon application to House & Garden, 1930 Graybar Bldg., Lexington at 43rd, New York City.

MASSACHUSETTS

Remodeled Colonial Farmhouse



45 acres of pines, shrubbery and beautiful flower gardens

Old Colonial house with five master's rooms and three baths, one servant's room and bath, several fireplaces. Three car garage. A separate stone studio building with fireplace. Adjoining eighteen-hole golf course. Sale price $55,000. Rental furnished for the summer $400 per month.

Wheeler & Taylor

Great Barrington Mass.

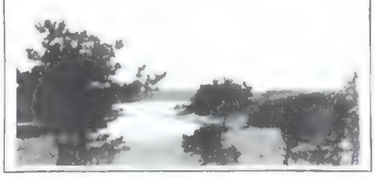
Loveliest of old Cape Cod



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Overlooking deep ponds at Chatham, Massachusetts. All improvements and very attractive. Can be seen by appointment. Price, etc., by addressing

Box 22 House & Garden



SHORE PROPERTY

For sale and for rent, furnished, for the summer, at Duxbury, Mass., 30 miles south of Boston. Old Colonial and modern houses, yachting; golf; pleasing environment. Charming old Colonial houses built in the prosperous ship-building days by Duxbury's sea-captains.

Photos and full information on request

PERCY L. WALKER, *Duxbury, Mass.*

CAPE COD

A playground for all ages

Excellent transportation, flying fields, and best [illegible]

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Maryland Manor House built prior to 1777

with 350 acres of land. Stone construction. Good residential section 15 miles from Baltimore, 30 miles from Washington. Adjoining large golf course. Interior in need of some repair. Has large well lighted rooms. Lawn well shaded by old trees, good view. Must be sold to close an estate and is offered at a sacrifice, $35,000.

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815-15th Street Washington, D. C.

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EMBOSSED

to give the time-mellowed texture of Old World Floorcraft



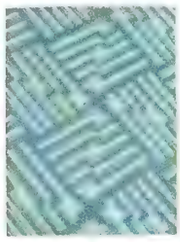
Master craftsmen might have laid this floor many years ago. Architects say it has all the mellow charm of ancient handwork, all its rugged simplicity. Yet this floor is quite new—but one of many new textured floor effects now offered in Armstrong's Embossed Inlaid Linoleum.

These floors, so friendly to fine furnishings, permit you to carry out any type of decoration for any type of interior. Some, like that shown at the right, follow a broken flagstone effect (No. 6180). Others spread before your feet a magic carpet that softly catches the play of light and shadow. Even modern motifs take on a decidedly mellow atmosphere such as the design below—which brings back all the beauty of fine old French Carré floors (No. 3221).



Design No. 6180

Local stores are displaying these newest Armstrong Embossed Inlaid Floors. And a letter to Lancaster brings you a whole bookful of rooms that show how well they look in fine homes. It also tells all about the good housekeeping features of Armstrong's Linoleum—the spot-proof, stain-proof Accolac-Processed surface, and how easily and quickly your new floors can be installed. Just send 10¢ for "New Ideas in Home Decoration." This book, by Hazel Dell Brown, also brings you an offer of free decorating services. Address your request to Armstrong Cork Company, Floor Division, 940 Mulberry St., Lancaster, Pennsylvania. (Makers of cork products since 1860.)



Design No. 3221

Armstrong's (A) Product



Afternoon and evening hours slip by unnoticed in such a quiet retreat, where soft light dancing across the textured floor is the only reminder of passing time. A friendly floor, time-mellowed—yet quite new—it's Embossed Inlaid No. 6180.

Armstrong's *Linoleum Floors*

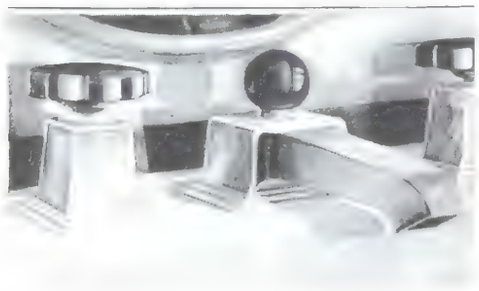
for every room in the house

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NEO-CLASSIC DESIGN; PEMBROKE MODEL, IN A DIRECTOIRE SETTING

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·WITH FITTINGS OF HARMONIOUS DESIGN·

The first of a series of new plumbing fixture designs of unexpected decorative value, functionally correct, architecturally harmonious and presenting greater opportunities for interesting ensembles.... Neo-Classic fixtures have all the refreshing simplicity of modern design, yet remain essentially classic. They are suitable in period backgrounds and in the most adventurous modern settings.... For all their decorative value the Neo-Classic designs are priced as reasonably as the designs of yesterday. They are available in each of the nine "Standard" colors and in white; in regular enamel and "Standard" Acid-Resisting Enamel....You are invited to visit a "Standard" Showroom to see these distinctive designs and to write for a copy of the book "Standard" Plumbing Fixtures for the Home.

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DIVISION OF AMERICAN RADIATOR & STANDARD SANITARY CORPORATION

"Standard"
PLUMBING FIXTURES



NEO-CLASSIC DESIGN; PEMBROKE MODEL, IN A MODERN SETTING

THE FACTS ABOUT MAKING A WILL . . .

Do you know the facts about making a will? Do you know exactly what risks your family runs if you do not leave a will or leave one open to legal misinterpretation?

The laws of inheritance are a baffling mystery to most laymen. Neglect of certain technicalities can delay or completely tie up the administration of an estate. And in some states failure to leave a will can deprive even a wife of her inheritance rights.

The planning and phrasing of a will to assure economical and judicious administration of your estate calls for skilled professional counsel. The booklets listed below will give you an excellent survey of the facts you should know about the subject. We will be glad to have any or all of them sent to you on request.

ADMINISTERING THE ESTATE
Bank of America

WHEN YOU MAKE YOUR WILL
Straus National Bank and Trust Co.

MODERN ESTATE MANAGEMENT
New York Trust Co.

PLANNING YOUR ESTATE
Central Hanover Bank and Trust Co.

QUESTIONS WHEN MAKING YOUR WILL
Guaranty Trust Co.

FINANCIAL DEPARTMENT
THE CONDÉ NAST PUBLICATIONS INC.
1930 Graybar Building
Lexington at 43rd
New York City

Fieldston IN NEW YORK CITY



A COUNTRY HOME community in upper New York City. Near that part of the Hudson River where it branches out in its full natural beauty, where trees and rocks and scenic views have been retained for those who desire real American home life, yet not prohibitive to families of moderate means.

Excellent private and public schools adjoin Fieldston

A suburban community of unusual charm, only forty minutes by motor from Times Square. Served also by the New York Central Railroad, by the West Side subway, and by private bus.

The house illustrated is just one example of homes, varying in size, for sale and for rent; furnished and unfurnished. Also choice building sites for private homes.
You are welcome to call on us. We will be glad to show Fieldston to you with no obligation on your part.

Kingsbridge 6-2200

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Office on Property
Waldo Avenue and West 244th Street
New York

France

Around the World . . in Paris

International Overseas Exposition
May to October, 1931

You've never had time for a 'Round the World Cruise? This year, Paris is the-world-in-one! ▼ Climb the steps of a glittering Indo-Chinese Temple . . . see the Royal Cambodian ballet . . . hear the tiger roar in his native jungle . . . whisk yourself around the corner into the African desert . . . here's a Mehariste on his tall white camel, there's Beau Geste, yonder's a school in Mogador where solemn children drone the Koran all day long ▼ Dip to the equator and watch the blood curdling war dance of the Senegalese . . . see the march of the Gods, priests and priestesses of occult faiths, ceremonials old in magic a thousand years ago ▼ Attend the first Colonial Olympic Games . . . theatres that dazzle with every variation of the world's pageantry . . . watch the *haute couture* filling its nimble brain with a thousand bizarre suggestions for the fashions of '32 . . . dine and dance at restaurants that promise new sensations even for Parisian gourmets ▼ The great Paris itself, that was Lutetia, peopled by the *Parisii* in the time of Julius Caesar; the Paris of Pepin the Short, and of the Plantagenets, of the Louis, and the Philips, and the noble House of Valois; of the House of Bourbon, and of the great Napoleon, and the later Bonapartes . . think of the untold centuries of human joy and strife, tragedy and jubilation, that have gone into its making, and there will come to you an echo of its warm and human soul ▼ No matter how many times you've crossed . . . this is a brand new thrill!



Information and Literature on request

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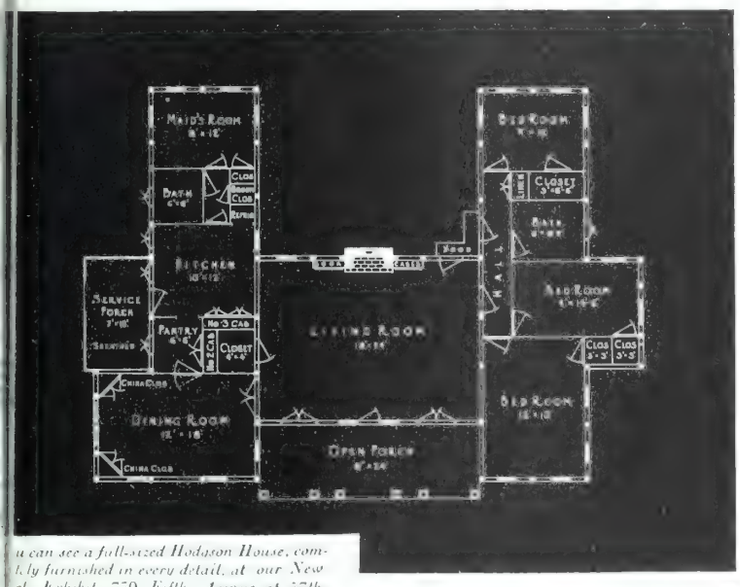
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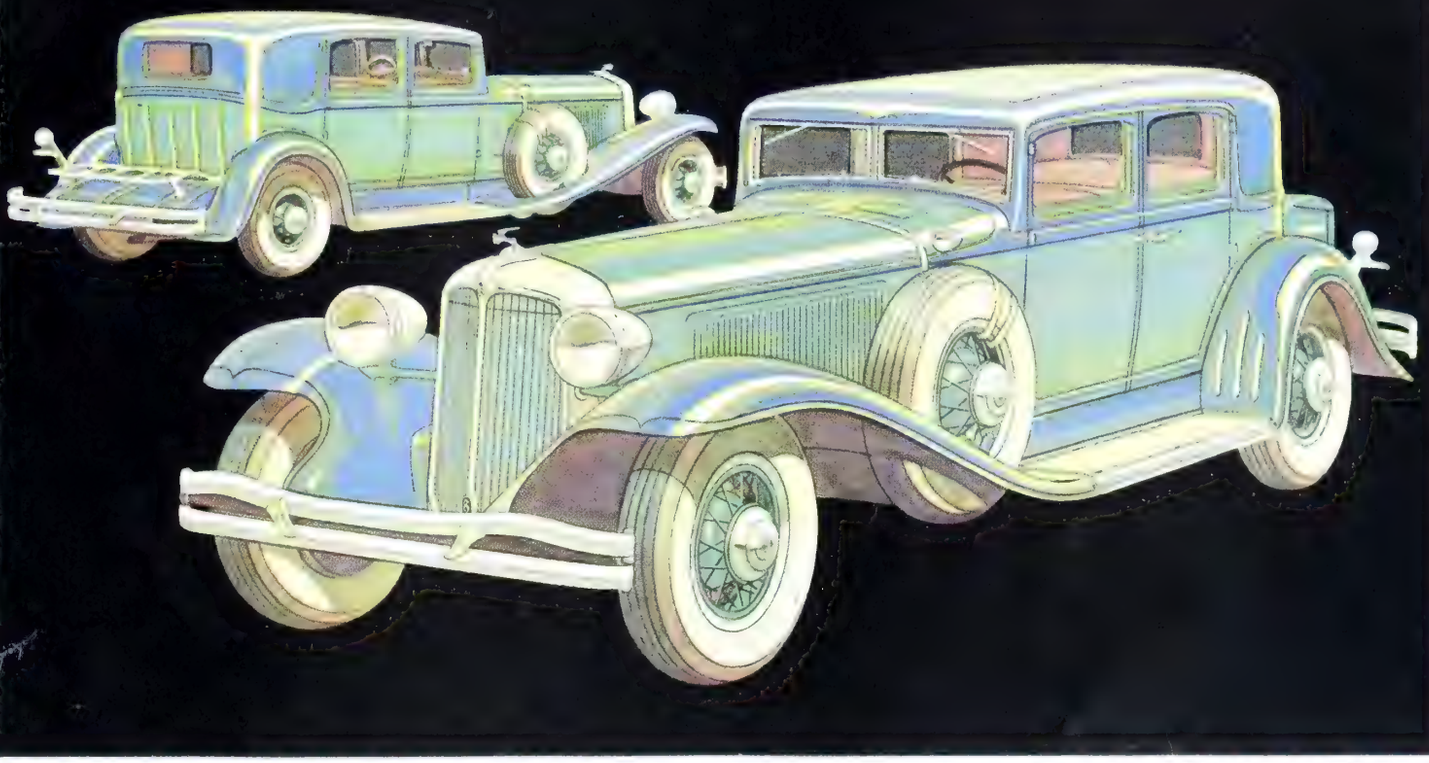
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Philip L. Goodwin, New York Architect

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HOUSE & GARDEN

Richardson Wright
Robert S. [illegible]
Margaret M. [illegible]

April 1931

Cover Design By Lepape

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The BULLETIN BOARD

THE SPARE ROOM. Were we in a reforming mood, we would set our face against those high falutin' names that have crept into the home of late. Supper, for instance. How rarely do we speak of it as such: we must call it by the exalted name of dinner. Now the word "supper" connotes a meal that you take as you find it, whereas dinner is something especially prepared for company. "Pot-luck" is supper.

Another is that term "guest room." An older generation called it the "spare room." While "guest" carries an air of hospitality with it, the word "spare" has its own homely and lovable connotations, for it was spared or reserved for guests.

THE HIDDEN ARCH. One of the most interesting forms of adventure is restoring old houses. It is this romance that gives such a light air to the step of architects. There was the architect who undertook to restore to its erstwhile Georgian glory a house in Washington. It had been badly manhandled in the '90's. First the windows were all wrong. Diligent search disclosed one of the original windows, thus solving that problem. But the front door gave no hint of its past, so the architect designed one of the period. When the workmen broke away the brick, they found the original arch of the old doorway, and the new frame fitted into that hidden arch like a hand sliding into a glove!

LITERARY FIRE. To the pleasant domesticalities worth adopting we suggest the following custom of a household in Hingham, Mass. It has two kinds of fires—after dinner fires, which are of wood, and "literary fires"—short, quick-burning conflagrations for those few minutes when the family assembles before breakfast. The latter consists merely of yesterday's newspapers rolled into loose logs. An old servant, who considers all forms of the printed word as literature, gave the fire its unique name. Would that some magazines and books burned as easily as newspapers!

TESTING VEGETABLE SEED. The New York State Agricultural Experiment Station has recently been conducting some tests of vegetable seed that gardeners can help in by demanding higher standards. Of the sealed packets of vegetable seed offered for sale in New York State in 1929 and 1930, nearly one-half, or 46%, fell below the reasonable standards set for comparison.

The experiments proved that certain seedsmen consistently put out high grade seed stocks in sealed packages, while others just as consistently packet inferior or worthless stocks.

These tests have proven that reliable, long-established seed houses in New York and other States can be depended on to sell trustworthy seeds and that the gardener is wasting his money if he accepts seeds that do not come up to the standards set by these organizations.

"OUTERMOST"

I plant my trees
And water well
Then stand and look
At my creation
By proxy,—humbly,—
But even so
Feeling like God
In my own sight.

I dig the soil
And axe the trees,
Then from a turmoil
Make a garden
Radiant to combat
The beauty of the sky,
The flaming dunes,
The eternal sea.

—MADELEINE ISELIN

IN A ROMAN GARDEN. Whereas we are apt to think that French gardeners first began the custom of growing flowers together with vegetables, Romans did it originally. Plutarch tells how Leeks and Onions were grown side by side with Roses and Violets.

The Roman garden consisted of two parts—the *Gestatio* and the *Hippodromus*. The former consisted of a wide path edged with Box or Rosemary not unlike a double herbaceous border, along which the owner and his guests took their exercise. The Hippodromus was a wilder place, of informal paths and drives, along which horses could be ridden. In the garden was usually a summer house containing rest rooms and a banquet hall. Before it was a terrace or *Xystus*.

And if it makes your life any richer to know it, the Roman name for a tennis court was *spharisterium*.

JUDGING A HOUSE. Thanks to the energies of the United States Department of Commerce there has recently appeared a valuable pamphlet called *How To Judge A House*. It specializes on the utilization of wood and is a complete survey in that field. Much of its advice is equally applicable to houses built of other materials. The pamphlet can be obtained from the Superintendent of Documents at Washington for ten cents.

CREDIT. While we have always made it a policy to encourage the work of individual artists by bringing their names before the public when showing their work, it occasionally happens that, through insufficient information, we fail to give due credit in a particular case. We are glad, therefore, to call attention to the fact that the decorative windows shown on page 60 of our January issue were designed by Edgar Miller, an extremely talented Chicago artist.

BIBLIOGRAPHY. [illegible] spread has become the interest in gardening that [illegible]

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Italy: *The Gardens of Italy* edited by A. T. Bolton; *The Italian Garden* by Luigi Dami; *Italian Gardens* by G. S. Elgood; *Italian Gardens of the Renaissance* by Shepheard and Jellico; *Old Gardens of Italy and How To Visit Them* by Mrs. Aubrey Le Blond; *The Art of Garden Design in Italy* by H. I. Triggs.

France: *Gardens* by J. C. N. Forestier; *Des divers styles de jardins* by M. Fouquier and Duchene; *The Smaller Houses and Gardens of* [illegible] by L. [illegible] and H. D. Eberlein; *Le Nouveau Jardin* by Andre Vera; *French Gardens* by J. G. Howard.

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Holland: *Dutch Bulbs and Gardens* by Silberrad and Lyall.

India: *Gardens of the Great Mughal*, by C. M. Villiers-Stuart.

TRYING OUT PERENNIALS. Among the interesting experiments now going forward is the work of the Lexington Botanic Gardens at Lexington, Mass. Here each year thousands of perennials are being tried out for their culture, their hardiness and their suitability to garden use. Under the direction of Stephen F. Hamblin, this excellent scientific work promises to contribute generously to our store of flower lore. The gardens are well worth a visit.

OREGON SIGNBOARDED. Easterners are apt to labor under the delusion that only their part of the country suffers the hiding of its roadside scenic beauties behind signboards. Now comes *The Roadsides of Oregon*, a survey made by the American Nature Association, with its appalling revelations of how offensively the signboard has elbowed its way into the Oregon landscape, blotting out views of great beauty, adding danger to roads and, in the end, often defeating the purposes of those who advertise on them. The roadside filling stations and restaurants in that State seem equally culpable. Perhaps the revelations pictured in this pamphlet will awaken the public pride of Oregonians and of many another State besides.

RULE FOR MUTTON. In his day, Thomas Love Peacock, the English novelist, was a gourmet of the first water. Splendid eating is found throughout his novels and he once wrote an essay proving that good gastronomy was the mark of civilization. Among his observations we find: "There are seven chances against even the most simple dish being presented to the mouth in absolute perfection. For instance, a Leg of Mutton:

1. The Mutton must be *good*,
2. Must have been kept a *good* time,
3. Must be roasted at a *good* fire,
4. By a *good* cook
5. Who must be in *good* temper,
6. With all these fictitious combinations you must have *good* luck, and
7. *Good* appetite.



A Bird Cage Play-Castle In The Air

Great imagination has been shown in this playroom on a roof. Black ironwork shaped like a vast bird cage surmounts a brilliant green hedge made of sheet metal topped by arresting cut-out topiary designs. Cut-outs of gay-plumaged birds fly among the bars and over all is a giant umbrella of bright blue metal. It, the New York home of Mrs. Walter Hochschild. Designed by Arnette Hoyt Flanders

A Whole New World Of Enchantment In Children's Rooms

Alice Starr

IN many houses the child's room formerly represented the last stopping place for furniture en route to the attic. Unused wedding gifts, pieces handed down the line from master's room to guest chamber eventually found their way to the nursery. So that very often children were forced to associate with furnishings not only inappropriate but downright dilapidated.

Of course, parents were justified in believing that elaborate furniture had no place in a child's room for the reason that it is not only unsuitable but impractical. Nevertheless, they overlooked the fact that a child living in harmonious surroundings is much happier than one who is forced to spend his days with bad taste and ugliness—with things he may eventually grow to like if he is not taught otherwise at a tender age.

When planning to decorate a child's room, the first step is consideration of the





Ships, lighthouses and tropical islands on a sunshine yellow ground decorate the walls of this modern nursery. The woodwork is cobalt blue and the fabrikoid covering of the seats and box pleated valance, which conceals toy cupboards, is in the same blue, bound in lacquer red. Linoleum flooring is a warm shade of tan and the chintz slip covers are red and green. Decorations by the Little Studio



exposure and background treatment. A sunny room because of its brightness and cheer should be selected whenever possible. In modern apartments, however, the extra room which generally goes to the child is not large and often does not face south. Therefore, an effect of sunlight must be gained by painting the walls a light warmth-giving color such as yellow, not necessarily pure yellow, but something of which yellow is a component part such as peach or an apricot tone. We can also use a gay paper with not too large a pattern, on a light ground. Modern German and Austrian papers in quaint and naïve designs are particularly adaptable to nurseries and playrooms. Wall paper is now a thoroughly practical treatment as there are certain preparations which when applied to walls make them washable. Moreover, we have permatex, fabrikoid, salubra and sanitas, all waterproof wall coverings and ideal for children's rooms. In painting

Sweden contributes this gay decoration. The small furniture is pine with painted motifs. Panels in clear Scandinavian colors are framed in narrow pine and hung above a marine blue dado; hand-woven rugs are bluish gray, red and tan. Childhood, decorators



G. W. Bartlett



Drix Duryea

the woodwork, we can use a contrasting color in a large room and preferably a harmonious one where doors are many or the space small.

Next to be planned for is the floor which must be comfortable and, preferably, of some material that can be easily cleaned. Linoleum is good, also cork and rubber, as these are easy to keep clean, and absorb noises. Beside the crib or bed it is advisable to have a small rug. There is a washable woven rag rug in wide color range called Catalogne which comes in thirty-inch strips that can be sewn together to make a carpet any desired size. This may be had in plain tones or in striped or plaid effects.

After the background of walls and floor has been decided upon comes the problem of the furniture. The crib or bed must be comfortable from the child's standpoint as well as from that of the mother or nurse. It is difficult to take care of a child when the crib stands too close to the floor. The essential furniture comprises a small chest of drawers or wardrobe for the child's clothes, a low comfortable chair for the mother or nurse, and a small table and chair for the child to play at as he grows older. There should be a cupboard or built-in shelves for toys and a series of steps to enable the child

(*Continued on page 120*)



G. W. Harting

(Top of page) This boys' room in the modern style is essentially practical. Walls, ceiling and woodwork are painted copper brown and varnished. Carpet is copper-brown and the striped sunfast curtains are copper, mulberry and chartreuse. Furniture is metal combined with wood painted bright yellow. Designed by Joseph B. Platt. (Below) A baby's room in the New York home of Mrs. A. C. Schwartz has blue walls, blue Venetian blinds and toile curtains in tan, red and blue. The tiny Louis XV provincial bed has cream embroidered muslin with red and cream ball fringe. Thedlow

Fittings To Make The Nursery Gay



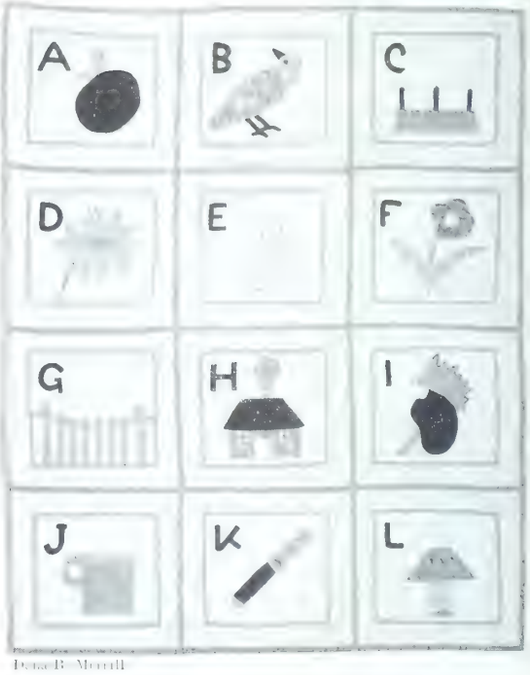
Above, a new wall decoration for children's rooms. Impressed in rubber soap are colored, placed in a shadow box and inset in the wall at any desired height. The medium, which gives the third dimension to an illustration, is the work of A. Lester Gold. The gay jumping jack above, happily brilliant balloons and a blue background complete the charm of the

Your child may not already be the owner of Chippendale, satinwood or mahogany, but it is easy, just climbing into a ladder-back chair of the type, he will never forget the design and its obvious good points. This miniature mahogany chair is from Childhood





The decorative zebra and tiger above are but two of the new black and white animal tiles designed by W. H. Scothorn. In addition, there are dogs and the head of a hippopotamus. From Barbara Standish Le Wald



(Right) Learning letters presents no terrors to the child fortunate enough to own this hand-woven alphabet bedspread. Plain tone broadcloth in any desired color, washable and fadeless, is decorated with appliqué patchwork squares, made of contrasting calico. These contain easily understood symbols beginning with the letters illustrated. Nancy Lincoln Guild

Peter B. Merrill

Happy Conceits For Modern Playrooms



To the little French gul her glamorous Guignol in the Champs Élysées; to the less fortunate child of this benighted country these amusing Punch and Judy and irons for nursery or play room. From Jones & Erwin

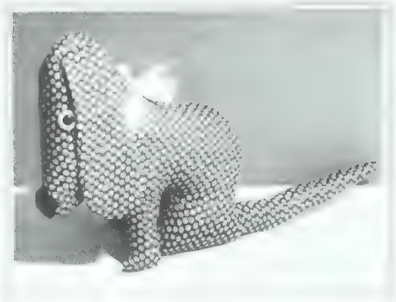


The mural illustrated above, sculptured in soap, brilliantly colored and blithely named the "Wedding of the French Doll and the Wooden Soldier" is vivid red-orange, blue, gold and white. It strikes a gay and interesting note when set in a shadow box under glass and used as wall decoration in a child's room. This new medium is the work of A. Lester Gaba



Dana B. Merrill

What child could fail to dream about modern houses and gardens when sleeping under this Pepperell crib blanket designed by Tony Sarg. There are three new patterns: the Toy Village, pictured at the left, Noah's Ark, and a Punch and Judy design. Available in soft blue, Nile green, yellow or pink. R. H. Macy & Co.



(Left) Not an abbreviated dachshund or an advertisement for calico, but a new breed of hound accommodating enough to play you a real, tuddly little tune when he is cuddled. Covered in gingham, linen, rajah silk or taffeta. From Alice Starr

Style Trends In Decoration—
Notes For The Smart Interior

GRAY IN DECORATION. Although gray has been neglected of late, the whole country having gone green and peach mad, this dove-like hue gives every sign of returning to favor. It took the modernists, with their lovely silvery schemes, to remind us that gray can be used with thrilling results in subtle gradations of several tones, or as a foil for more vivid effects.

Nor is this color confined to modern decoration. Recently we saw two traditional rooms done in gray that were illuminating examples of how effective this hue can be when used with distinction. In a tiny reception room the entire background was a dark French gray—walls, wood trim and Venetian blinds; even the curtains of old embroidered mull were dyed to match the walls. In spite of this somber setting there was no lack of life and color as the ceiling was brilliant lemon yellow and the linoleum floor was painted dark gray flecked with yellow. Yellow fabrics were used on the furniture.

The other was a dining room which might well have looked out upon the Grand Canal. Walls were hung in soft folds of rose Fortuny cloth printed in silver and edged with gold bullion fringe. The curtains were a paler gray tulle over rose gray Venetian blinds. Furniture here was 18th Century Venetian finished dull gold with pastel decorations.

WHITE FLOWERS. The use of white accessories, and particularly of white flowers, artificial if they can't be real, is among the most charming notes in decoration. Even if you are not able to achieve an entire white scheme, white lamps and shades, white porcelain accessories, and especially white flowers, will do wonders for a tired room.

Among the many varieties of artificial blooms available in white are some new paper flowers extraordinarily well made. Of these Rhododendrons and Calla Lilies defy detection when placed among real Lent Lilies. In the same medium are Dogwood, Cosmos, Narcissus and Magnolia blooms, the last faintly touched with pink. Plain white Hyacinths made of wax and placed in mirrored pots along a window sill are delightful notes in a modern room. And finally, Apple Blossoms, small Lilies and Tulips miraculously made of feathers, with feather leaves, bring a veritable spring garden into the house.

ENSEMBLING THE KITCHEN. What with colored cooking utensils of all kinds, the many-hued oil cloths and shelvings, some excellent new linoleum designs and recently a variety of electric clocks in color, kitchens have become the most entertaining room in the house to decorate. Now the ensemble idea has gone a step farther. In order that your kitchen curtains may be harmonious with the rest of the equipment, a number of new fabrics have recently been created to harmonize in tone with a popular kitchen enamel ware that comes in various colors. Among these is a delightful polka dot print on a green, blue, red or yellow ground. Made into curtains and combined with harmonizing wall coverings, linoleum and colorful pots and pans, this fabric is guaranteed to keep any cook contented.

METAL AND MODERNISM. Thanks to the modernists we have much interesting furniture and many decorative and useful household objects made of metal. Newer than monel and chromium is the use of copper, brass and pewter for furniture and accessories. The latest development is a number of small tables with bases made of a combination of copper and brass. And doubtless inspired by the lovely furniture of Sweden, which uses pewter so dramatically, several modern designers are featuring pewter for table tops combined with white holly or ebony. And the smartest backgammon board we have seen in a long time had a frame, dice cups and box for markers made of pewter. The board section was covered in snakeskin leather with black and white points and the markers were of black glass and crystal.

TRIMMINGS TO THE FORE. Fringe, braid, wood and crystal drops; tassels, cords, bandings; ribbon, pleating and ready-made welting—all the frills and fluffs of furnishing are with us this season, indicating pretty forcibly the path decoration is taking towards a greater elegance and sophistication.

Smart as well as labor-saving are the new ready-made trimmings of glazed chintz which may be bought by the yard. Among these are adorable two-inch knife pleatings in three shades, as well as plain-tone pleating headed by contrasting pipings, particularly gay being the combination of cocoa color and lacquer red. Very desirable also are the one and two-inch pleatings edged in contrasting color and trimmed with tiny rick-rack braid. These and the flat chintz bandings in luscious tones, scalloped at the edges or piped in contrasting hue, are a godsend if you are contemplating having your curtains made at home.

TRENDS IN TABLE LINENS. In spite of the distinction of white and ivory toned damask for formal entertaining, the newest table linens are as colorful and varied as a summer garden. Color is more emphasized than ever, with a leaning towards softer, paler shades and smaller, more delicate designs. What clever hostess with a collection of charming glass and china can ignore so valuable an ally as pastel-tinted damask—a shimmering cloth of cool Nile green, the contrast of an apricot or coral background, the lure of dimmed yellow?

Among the exciting new damasks is a table cloth which may be bought by the yard. This has a simple and very smart design of three wide stripes through the center and a border of big squares formed by narrow lines. It comes in luscious colors and can be cut to fit any size table without destroying the pattern. Other new damask cloths are patterned in beguiling flower motifs—Lotus, Phlox, Daffodils and Dogwood—in a number of effective colors.

Rayon, eyelet embroidery, embroidered organdie, heavy Basque linen in brilliant stripes, damask embroidered in map designs, and crêpe de Chine are all to be found among the new table cloths featured for summer. The most fragile and exquisite cloth we saw was made of palest yellow crêpe de Chine with inset squares of white net embroidered in Dogwood.

(Continued on page 132)



Dorothy Dreyer

Decorative Reflections In Black Glass

Black glass, of soft, shadowy reflections, has been used with great distinction in this fireplace group in the Hotel Carlyle. Framed in slender columns and festooned with a carved rope, such a mirrored overmantel offers a new idea in decoration. Accenting this dramatic study in black and white are Biedermeier chairs in green and yellow Empire mohair. Mrs. George Draper was the designer



Dan Dunn

ROBERT F. LOCHER

Contrasts of vivid hues, vivid contrasts and a brilliant use of glass and metal characterize the work of this artist. A novel wall decoration, an enlarged photograph of a modern crystal light, inlaid rubber tile flooring, and gleaming chromium pedestal and table supports are features in this silver gray and black scheme

WOLFGANG HOFFMANN

This talented designer employs wood exclusively for indoor furniture, believing metal better suited to outdoor use and sunrooms. Simple lines, natural wood finish, subdued colors and indirect lighting are also part of his creed. The combination piece below is natural African mahogany finished with darker trim



Van Anda

New Developments In Modern Furnishing

By Eight Leading Designers In America



G. W. Harting



G. W. Harting

HAMMOND KROLL

The work of this young artist, who started his professional career with traditional furniture, is more a natural outgrowth of designs of the past than any radical departure from accepted forms. (Above) In this commode of Oriental walnut, with satinwood inlay and doors of Australian burl maple, the natural grain of the wood forms the chief decoration. From the Arol Shops

DONALD DESKEY

This designer is a firm believer in the effectiveness of varied textures. Hence his furniture often combines two or three materials. The sideboard above, in the New York apartment of Gilbert Rohde, is black lacquer, chromium and glass, with units in the top of frosted glass to conceal lights. The lacquered screen is black, cream, emerald and cocoa brown

PAUL T. FRANKL

Due largely to Mr. Frankl, the pioneer of modernism in America, we now have this style of decoration to write about, agonize over, or eagerly accept as a characteristic phase of the 20th Century. (Right) Made of white maple with vermillion trim and base, this distinguished chest is a typical example of this designer's simplicity and [illegible]



Emile Deon Icon

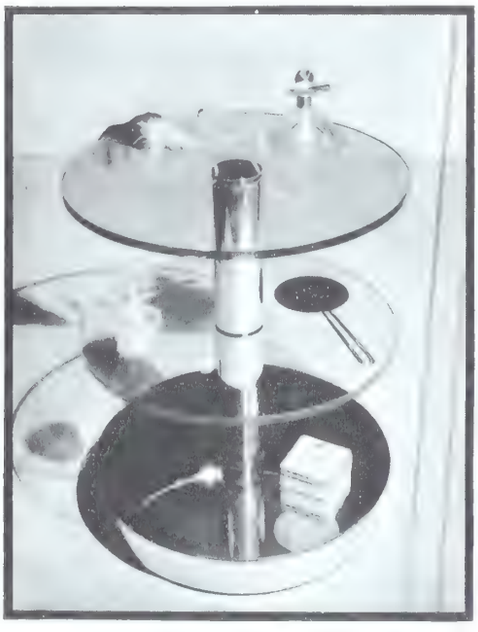
Twentieth Century Furniture of Wood Metal and Glass

LESCAZE

The new interest in the decorative revival of simple forms, contrasting woods, and indirect lighting effects that are both practical and effective. (Right) Modern desk of zebrawood, showing indirect lighting and interesting cupboard arrangements. The arm chair is chromium plated and is upholstered in gray velour. Howe & Lescaze, architects



Ezra Stoller



WALTER VON NESSEN

Metal and glass are favored mediums of this designer. While his furniture is designed primarily to be practical, he believes functionalism can also be beautiful. The dressing table has revolving glass shelves, a mirrored back and chromium support. Accessories from Retail Rosenthal



G. ROHDE

An achievement of this designer is his adaptation of bent wood to modern uses. (Right) Bent wood furniture made by the Heywood-Wakefield Company, showing rectangular sections instead of the old round bars. Upholstery is a combination of plaid with plain material, in brown and tans



The Desert Comes To Home Decoration

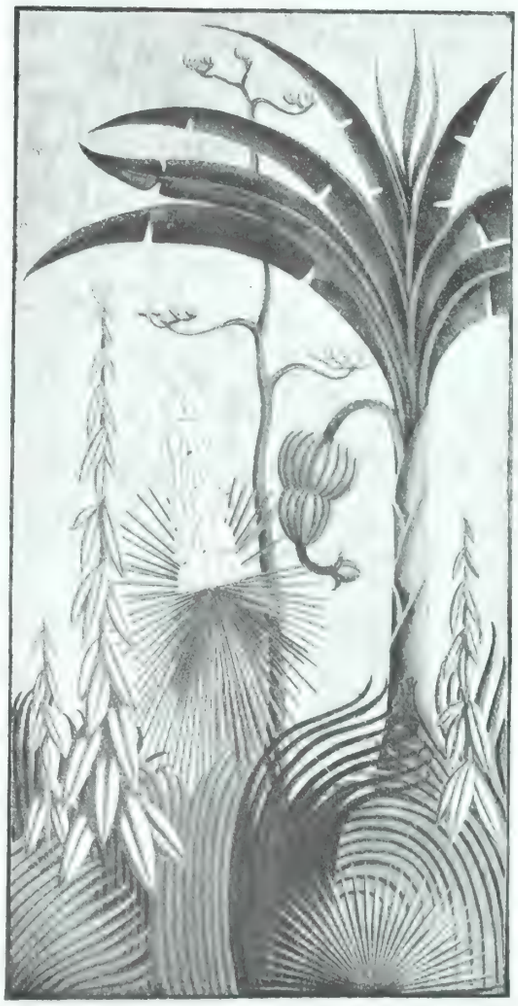
Katharine Morrison Kahle

THE exotic forms of succulent plants have long fascinated the horticulturist, but it is only within the past few years that the succulent has become a decorative feature of the house, and only recently has its charm appealed to the designer of fabrics and wall papers. A few years ago Western gardens began to have nooks with the various species of Cacti, Aloes, and small succulents; soon after a New York decorator specializing in modernist design introduced their austere forms as a finishing touch to his interiors. He placed them in pots and set them where their peculiar contours would make dark shadows upon the plain surfaces of walls and furniture. Not long after this florists began featuring strange Cacti in small decorative jars and then we found that Cactus window gardens would add color and interest to almost any room.

About this time a boat of the German navy was making a world tour. Imagine my surprise when, invited on board, I found a potted succulent garden the treasured possession of each officer. Cacti from Ger-

The wall hanging shown above illustrates the attractive decorative possibilities offered by the flora and fauna of the desert. Purples, mauves and delicate greens and pinks capture the melting quality of desert atmosphere. Painted by Edith Hamlin. Brownell-Lambertson Galleries

The panel at the right decorates the wall of a ballroom in Cuba. Exaggeratedly large Cacti, Yuccas, Palms and Bananas are painted on a rough silver ground in tones of green, with accents of pure white and brilliant flame. The work of Robert E. Locher



many! So Europe had started this modern note in decoration while here, in the desert mesas of Arizona, New Mexico, Colorado and California, the home of the majority of known Cacti, their decorative value had been overlooked until the suggestion came from abroad. However, I believe that we can credit the American designer of textiles with the introduction of these exotic succulents into the fabrics of today.

In their frantic search for inspiration, modern designers have dug in the tombs of Egypt, hunted the forests of South Africa, and sailed to barbaric tropical islands; the portfolios of the past have contained suggestions derived from China, Greece, and Persia and India and almost all species of flora and fauna the world over have been used. Yet after all this search, the present-day designer has found no more appropriate motifs for the modern interior than the native growths on the deserts at his doorstep.

These indigenous plants furnish vitality, diversity and originality to present day design. The bold simplicity of the plants, the strong light and dark tones of the leaves









WALL PAPER

(Upper left) Patterned with huge leaves in varying shades of a pale cool green, this unique wall paper from Katzenbach and Warren suggests the desert oasis

(Lower left) An impressionistic, simple design for which sand is the motif, developed in red-yellow on a bright yellow ground. Katzenbach and Warren

(Below) Colored chalk-gray, violet-blue and blue-green, the slowly shifting clouds of the desert move in roughly contrasted bands across this attractive sateen paper

as seen in the direct desert sun, the solid strength and the unusual colors of green against the tan of desert sands, make the growths of these dry regions peculiarly appropriate as decorative motifs for the fabrics of the modern house.

The Cactus designs of the prints and cottons shown on this page suggest a wealth of possibilities for the modern interior. The varied and grotesque shapes, spherical, cylindrical or angular, definite, bold, and unornamented by veins, make the succulents peculiarly appropriate motifs for fabrics to be used with modern furniture. Those who do not admire contemporary design will say that Cacti, like the furniture, are wanting in beauty and remarkable only for their curious form. To be sure they are not graceful, nor do they possess Romantic or Classic curves. Instead, their spirit is one of modernism and their strange beauty is based upon the basic fundamentals of design. What could be more fanciful and decorative, for instance, than the column-like stalks of the Aloe, with its large, smooth,

(Continued on page 133)









MODERN FABRICS

(Upper right) On a new voile, striped in peach, blue-gray and blue, demure yellow Cacti bask in the radiance of blue-checked, yellow suns From Schumacher

(Lower right) The Aloe is another denizen of the desert that lends itself splendidly to design. In apricot, tan and red-brown on beige rep Schumacher

(Below) A black chintz from Schumacher is enriched with the fringed petals and geometrical leaves of the Night-Blooming Cereus, carried out in green, salmon and tan



Many authorities are of the opinion that pewter was invented by the Chinese. It is doubtless as old as bronze and has been as skilfully worked. Pewter forms follow those of bronze through the different period. Above is a pair of beautifully executed old Chinese pewter pricket candlesticks typical of the elaborate use of this metal in China. Courtesy American Art Association—Anderson Galleries Inc.

Glossary Of Continental And Oriental Pewter

Mr. and Mrs. G. Glen Gould

COLLECTORS of old pewter are not always aware of just how old pewter may be. A few American Colonial plates, an old French broth bowl, an English 18th Century porringer and a pair of 19th Century Chinese candlesticks do not compass the subject of pewter. Nor do the elaborate pieces which Briot patterned in the 16th Century give any idea of the extent of this interesting study. An exquisitely engraved Persian bowl decorated with applied silver and red copper, comes nearer to giving an idea of what a master workman can do even with a humble metal. For pewter has long been considered kitchen stuff, and only in recent years has it found its way into dining rooms of any pretension above that of farm house or cottage.

Not until the 20th Century, in fact, did collectors turn an appraising eye upon the work of the pewterer. But interest has spread all the more rapidly for its long neglect, and to-day we are in danger of overestimating simple unadorned surfaces,

(Continued on page 124)



The two old French pewter baptismal flagons at the left illustrate the variety of forms, from the primitive bulbous body with elongated neck type to the classic ewer variety similar to the pattern much favored in 18th Century silver plate. Pewter was extensively used in France during the Middle Ages, especially for ecclesiastical purposes. These photographs are shown by courtesy Mrs. Ehrich Company



G. W. Harting

The fine Empire and Biedermeier furniture in the living room above and on the following pages is emphasized by white walls and black linoleum floor. Black also is the window casing which conceals lights along the sides. The curtains are red and white striped satin, with valance of white silk bound in red, over white Venetian blinds. Decorations by the Empire Exchange.

A Little Portfolio Of Empire Rooms



C. W. Thayer

(Above) The two bedrooms (of a three-room apartment) form an illuminating example of what can be done in limited space. Small furniture, symmetrical groupings and the use of mirrors achieve both grace and elegance. Both rooms have the luxury of fireplaces and are well lighted and ventilated. All have graceful canopies edged in red and white fringe. White walls, Holland shades, black and gold hooked rug, Empire couch complete a delightful scheme.

(Right) A decorative atrocity in a small living room comprises a Biedermeier sofa, Italian Directoire stand painted gold and black and banded with satinwood and a chair and mirror of Empire design. In place of the conventional occasional table a large urn painted black with a marble top has been used. Alabaster urns, mounted on black wooden bases for greater height, contain lights



Combining Empire, Directoire And Biedermeier Furniture Successfully



G. W. Hatting



Nothing could form a more flattering background for the interesting furniture of these Empire rooms than dazzling white walls accented by black doors and floor. Another vivid note in the living room is the red and white striped curtains. The tiny harpsichord, a reproduction of an original Empire design in a flat gold finish, now contains a radio. Italian banquettes on either side have ebony bases and burl walnut tops.

(Left) As this bedroom is only 8 by 10 feet, long mirrors have been placed on either side of the window to create a feeling of distance. The dressing tables are tiny walnut and gold consoles with glass tops. These were hewn out inside and lights installed. Curtains are white silk, trimmed with red and white fringe, over white Venetian blinds. Decorations by the Empire Exchange.

Two Schemes In Black And White With Red And Gold Accent Notes

Magpie Corners May Be Made Important And Efficient Household Units

Elizabeth Hallam Bohn

"MAGPIE Corners!" That's what Grandmother quaintly called the nooks and crannies in which the great rambling house abounded. For in those prodigal cubbyholes the various members of the family, young and old, would tuck cherished playthings. Guns, fishing rods, the embroidery basket, drying lavender and rose leaves, toys, treasured books, the safe for the ceremonial silver—all the appurtenances of full and happy leisure were concealed in those alluring hiding places.

Today these hoarding spots have grown up. They have been styled and beautified, while retaining their practical character, that of supplementing the standardized household routine. In the new home the architect turns every inch of space to use, and his imagination and ingenuity in eliminating waste room can often serve as a guide in improving an older house, more commodious than convenient. Manufacturers of the lesser conveniences and luxuries have coöperated to furnish enticing fitments to equip these reclaimed spots and suggest, as well, many interesting new departures in the standardized layout of the recently built house.

The traditional coat closet has given way to a variety of modern uses. With its old door replaced by an attractive glass affair, and the walls covered with one of the fascinating wall-coverings lately come to our shores from the studios of the old world, a retreat of great charm can be created for telephone conversations. This new "wall paper," presented by a manufacturer we will call "A," is applied like the ordinary variety, but is in reality a parchment paper on which are applied specially compounded oil colors. They give a depth and character which imparts delightful warmth and softness to the walls, with their unusual Continental patterns. The fact that these lovely papers can be washed with ordinary soap and water recommends them to more important uses as well.



For detailed information about any of the appliances or materials mentioned in this article, and the names and addresses of manufacturers or retailers will be furnished upon request to House & Garden's Reader Service, 420 Lexington Ave., New York City.

Another charming ensemble for the telephone nook may be developed from a new fabric which may be employed as wall covering, drapes for the door and upholstery for the tiny telephone chair. Manufacturer "B," who presents this pliant, satiny material, asserts that its soft, enduring luster is crackless, sunproof and waterproof. It is easily cleaned with a damp cloth.

The floor of this modern comfort nook can have a covering of soft pile carpeting which lies flat and close on the floor without nailing down, through the gummy character of its back. Should the casual cigarette cause damage, or the center become shabby, the carpet can be quickly renewed by cutting out the worn spot and inserting a patch which leaves no trace of its presence. Manufacturer "C," offers this carpeting in a variety of fine colors.

A good light is, of course, essential in the telephone room and this may be arranged to switch on with the opening of the door. A reflector on the top of the door frame will throw down the light in adequate measure. Manufacturer "D," will furnish these reflector lights which are similar to a showcase fixture.

Then, there is the convenient table made by manufacturer "E," with facilities for holding several of the bulky directories unobtrusively. Manufacturer "F" contributed his luxury to this necessary phase of today's existence through a tiny electric fan in color to harmonize with the scheme of decoration. A list of the family's most frequently called numbers conceals its stark utility behind a charming print and a decorative pad and pencil complete the equipment.

Or, perhaps, the prosaic coat closet becomes a still more gay thing—a powder room—where the guest may prink undisturbed, with toiletries provided especially for her comfort and a full-length mirror on the inside of the door. Manufacturer "G" will supply an unpainted dressing table in any period desired, to be finished in harmony with the scheme of decoration. One of the unique cabinets designed by manufacturer "H" may serve as a mirror. On either side are sliding electric lights so that just the right angle may always be secured. Behind its quicksilver door are ample shelves to hold an additional supply of comforts.

Perhaps the walls and floor of this retreat will be finished in the smart new vogue, which is the modern decorative basis for many fine interiors. This is a fabricated material made by manufacturer "I", which may be sawed and worked like wood, while giving the effect of a fine Italian marble. It

(Continued on page 118)





This and the following pages in color show actual rooms and were selected for their effective and contrasting window treatments. Not only are four types of curtains shown, but each interior reveals an unusual color scheme, the background in every case being an interesting departure from the commonplace

Although inspired by Pompeii, and taking its scheme from a print of the period, this breakfast room shows several present-day trends in decoration. Biedermeier furniture, Venetian blinds and tiled flooring are very much of the moment. Louise Tiffany Taylor and Elisabeth Low, decorators

Four Color Studies Of Contrasting Window Treatments



This corner in the New York apartment of Mrs. W. Shaw-Thomson, with its flowery chintzes, cool wall paper and charming window treatment, has captured the spirit of country house decoration. Curtains of soft voile are given importance by a draped taffeta valance trimmed with long ball fringe and further accented by a heavy cord. An antique rug that picks up the reds and blues in the room, brings color and design to the floor. Thedlow, decorators

Capturing The Country Atmosphere In A Town Apartment



The vogue of blue in decoration started with the greenish blues and turquoise tints. Then we had hydrangea, a light chalky blue that proved a lovely complement to peach and yellow. Now comes another shade—the subtle violet-blue of the plain chintz in this Early American guest room

To accent this color, the ruffled edges of curtains and dressing table have narrow bindings of red ribbon. Bedspread and slip cover are of plum-colored chintz with a small leaf in violet-blue. The entire scheme was taken from the wall paper, which has clusters of strawberries scattered among spring flowers. The residence of Mrs. Christian De Waal, Lexington, Ky. Mrs. Kenneth Torrance, decorator

An Appealing Color Scheme Taken From The Flowered Paper Shows A New Departure In Blues



The delicate grace and mellow wood tones of French furniture are best emphasized by a light background. Yellow walls, accented by fine lines of blue in the moldings around the bookcases, are a flattering setting for the Directoire and Louis XVI pieces in this library of a duplex apartment in New York. Hangings of old Empire toile in an unusual color blending of deep yellow, coppery browns and plum, with under curtains of yellow silk, give [illegible] to this corner of the room. McMillen, Inc., decorators

A Color That Emphasizes The Beauty Of French Furniture

Recent Developments In Building And Residence Equipment Fields

Gayne T. K. Norton

TRIPLE switches, that is, three groups of tumbler mechanisms with either common or separate feeds which are mounted in one single gang bakelite cup, are available for use as three circuit electrolier switches. They will control three separate circuits with common or separate feeds. Two switches of the three will control, for example, two electrolier hall lights, the third switch operating a light located in an adjoining room or on a porch. They have indicating handles centered vertically under a single gang plate. These switches will give maximum control from one point, they save wall space and tend to reduce time, labor and material costs.

WATER SOFTENERS

THERE is a family of four water softeners for freeing hard water of its troublesome lime and magnesium. Hand operated units come in six sizes; capacities from four to 16 gallons a minute. Semi-automatic types, eliminating frequent saltings, are obtainable in five sizes with capacities ranging from six to 20 gallons per minute. Rapid flow models may be had in three sizes with capacities from five to 12 gallons. Fully automatic softeners are in four sizes with high capacities. For old or new houses, any one of these equipments may be installed, usually in the basement, and directly connected with the water system. Delivering fresh, pure, softened water, these devices protect health, fabrics and plumbing.

OLD HOUSE INSULATION

A METHOD has been perfected for blowing insulation into the walls of old houses. This type insulation is made of rock that has been melted and then blown into shreds; it is everlasting and proof against fire and vermin.

Pneumatic application is carried on from outside the house with no injury to lawn or plantings. Holes are made through shingles, siding, stucco or brick veneer; the space between studs is then blown full of the material, and the holes closed and refinished so no sign of the work remains.

Month by month this page records newly developed materials and devices of particular interest to those who wish to keep the construction and equipment of their homes up-to-date. Each item is actually available for purchase. The names of respective manufacturers will be furnished on request to House & Garden's Reader Service

A board here and there in the attic floor is lifted and the ceiling of the top floor is quickly treated to a thorough insulation. In this way the entire house will be enclosed in a blanket which not only keeps out cold and heat, but also acts as fire stop and an efficient sound deadener.

Experience has shown that quite aside from the comfort gained, the cost of insulating old houses in this way is quickly paid for in fuel savings and increased property value. Several home owners report that rooms which were long untenantable because they could not be adequately heated have become entirely comfortable since this insulation was applied.

NEW GAS STOVE

ALTHOUGH measuring but 40¼ inches wide, the latest type gas stove has cooking and baking capacity adequate to allow thorough meal preparation for ten persons. A new and very practical idea is the elimination of all protruding bolt-heads in exposed places—those always-difficult-to-keep-clean spots. A folding cooking top cover drops down to conceal the burners when they are not in use; when it is raised, this cover becomes a back splasher.

The cooking top is about 33½ inches from the floor, with the oven projecting but nine inches above so leaving the top practically free from shadows. An improved style of burner tray conceals burners and pipes, except the small burner heads, improving appearance and promoting ease in keeping burners clean. Broiling pan requires no rack as broiling is done directly on the ribbed surface of the pan, which is arched so as to drain away the fat. When it is reversed, the broiling pan makes an excellent roaster.

Decorative handles well-insulated against the heat are another distinctive feature of this stove. The oven is completely insulated. Doors may be shut without making a harsh metallic sound. All oven corners are rounded to make cleaning easy. Gas ports of burners open on the sides so that spill-overs will not close up the holes. Each burner is either a simmering burner, an ordinary burner or a giant burner, as may be desired. Gas valves lock when turned off; there is no danger of their being opened by children. In design and in appearance, we are told, this stove establishes a new style and a new beauty.

EFFICIENCY SINK

A WIDE integral ledge in the back of the sink, serving as a handy shelf, is one of several new ideas embodied in an efficiency sink, just announced. The ledge extends across the entire fixture, giving it a thoroughly modern line, and supports the chromium-plated all-metal fittings.

Another innovation is a disappearing spray hose for rinsing, conveniently at hand yet out of sight beneath the sink when not in use. A curved, swinging spout of new design gives the necessary height so that tall dishes may be readily filled. This unit is equipped with a double strainer drain control and vitreous china swing arm garbage and utensil containers. It is available in black, white and a number of colors.

ACOUSTICAL CORRECTION

MADE of cork, a sound absorbing material that is also a very effective insulator is designed to correct the common acoustical defects including excessive reverberation, echo, "loud" spots, "dead" spots and interference.

Offending wall and ceiling surfaces in music and other rooms may be covered with this material so as to control the reflection, absorption and transmission of sound waves with mathematical precision. One of the chief advantages of this product is that it

(Continued on page 134)





In general design, details and materials this residence at Princeton, N. J., follows after the 18th Century manner of the Middle Colonies. A broad central hall prefaced by a small vestibule carries entirely through the first floor.

Twin stairways to the second floor rise to a common landing. At one side of the hall are dining and breakfast rooms, beyond which are the service rooms. At the other side of the hall is the living room, opening in turn to sun porch and study.

An interesting point about the second floor of this residence is the connecting of master's rooms so that each may be gained from any other without passing through the hall. The location of baths to allow for various suite combinations is equally interesting.

Over the service wing are the servants' bedrooms, gained by a stair next the kitchen. Through the linen room this section of the floor has access to other rooms. This is the home of Mr. C. Herbert Davison.

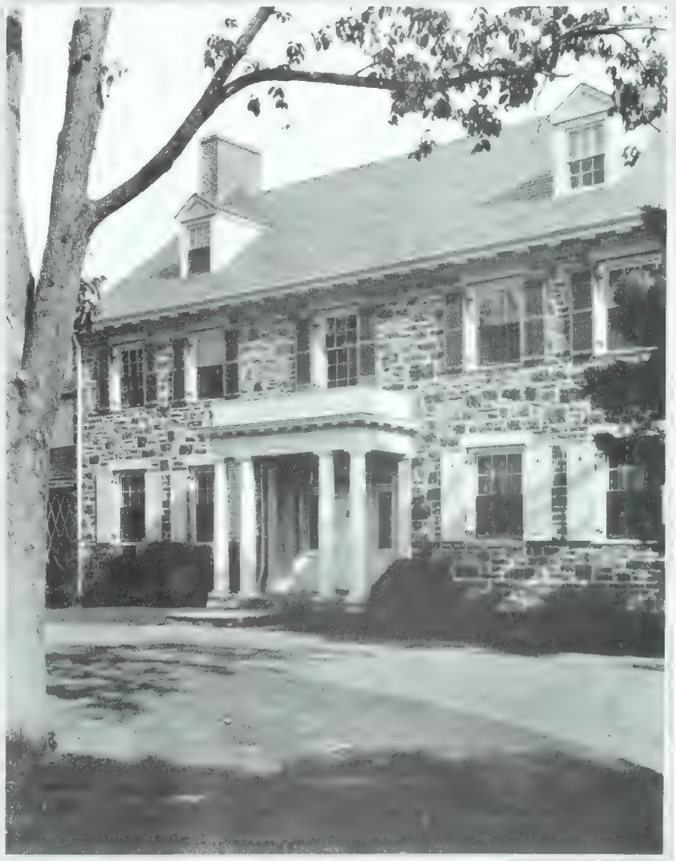
Aymar Embury II, Architect

In The Middle Colonies Tradition



Richard Averill Smith





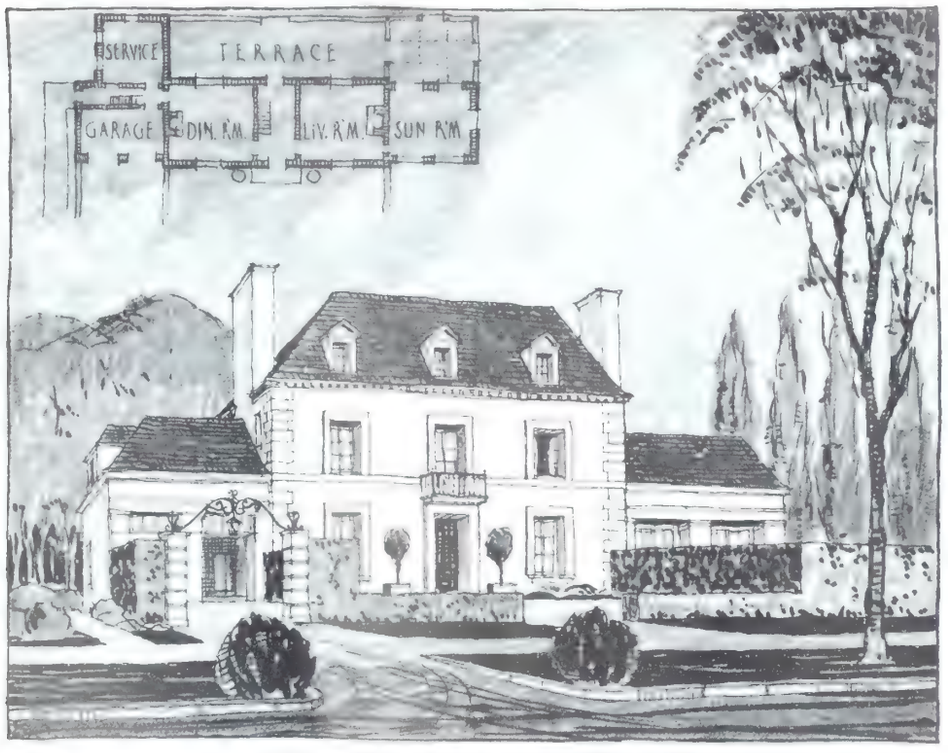
The road front of the Davison residence is shown at the right. Two views of the more intimate garden face, which looks upon a broad grass terrace bordered by flower beds, are given above. The delicacy of the simply detailed iron balcony is in pleasant contrast to the ruggedness found elsewhere



(Above) On the rue de Grenelle, Paris, the most formal of houses have a genial habit of placing a floor off center and of using side bays, balconies and irregular chimney tops in order not to appear to be too stiff. Gendarmes, typical Parisian type and the omnipresent pedigreed potential protege add personal local color to the scene



Many an academically correct French house in America fares coldly, because of unsympathetic surroundings and unwise combinations of detail. In the example at the right the house should have had without sufficient means of tying windows together horizontally. Upper and lower windows are unfortunately of unlike character



The Formal French Manner For America

Gerald K. Geerlings

THE first two courses of an informal dinner had gone smoothly. While awaiting the third the hostess remarked that the new cook, from a remote corner of Europe, seemed to be a "find." Of course, there had been the first day's difficulties because she understood neither English nor French. But so far so good.

The ensuing course was accompanied by a dish containing a sodden red mash. The host jovially opined it might be a Soviet surprise. No one could quite decide what it was. Perhaps a new European vegetable? No, the hostess knew nothing about it. However, when finally the iced watermelon failed to appear, a trip to the kitchen revealed that it had been pared and boiled like any other good vegetable, and served with the roast.

Architecturally, a great many French type houses in this country are not so distantly removed from the boiled watermelon. Their designers had been equally unwilling to let-well-enough-alone. They pared and boiled and fussed until the result bore

A medium-sized house adapted from the French to an American urban site is shown at the left as it might appear from the street. At the bottom of the opposite page is a view from the side and rear

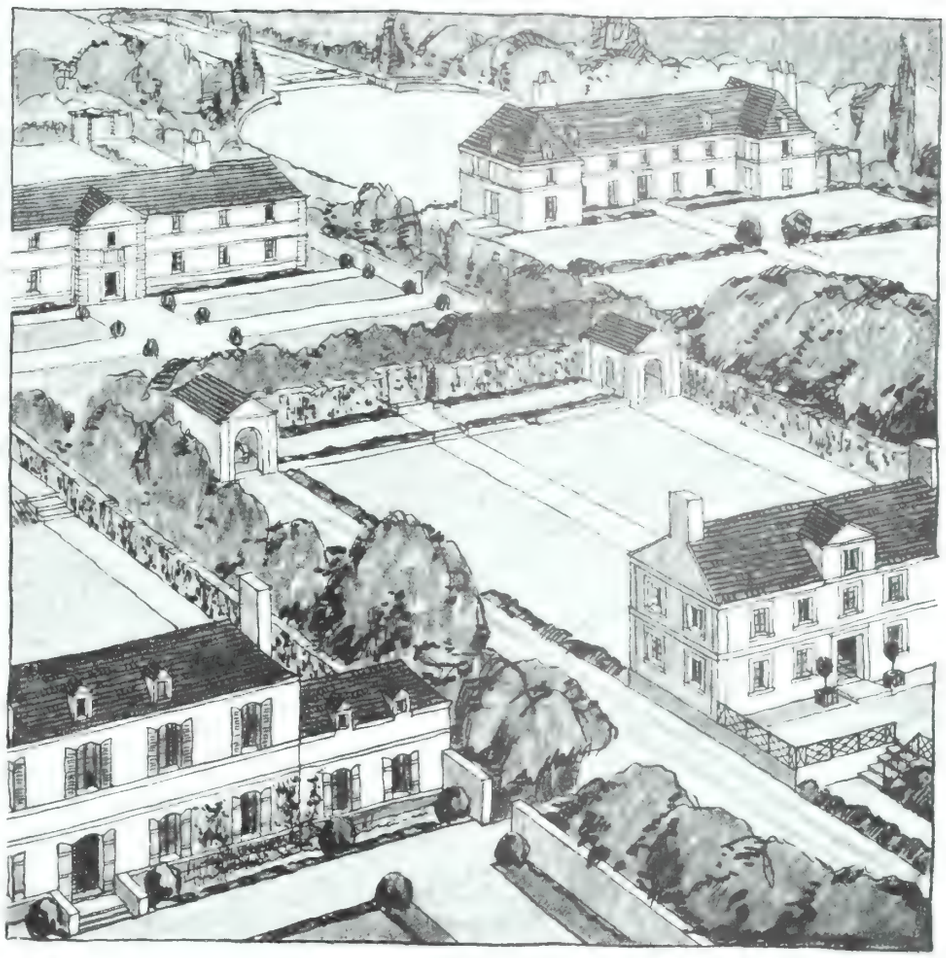
While all the motifs of this house are traceable directly to the period following Louis XIV, certain simplification has taken place. Something of the plan is also given

The kitchen service wing of the house at the bottom of these pages could, without affecting the design, be extended or contracted according to individual needs

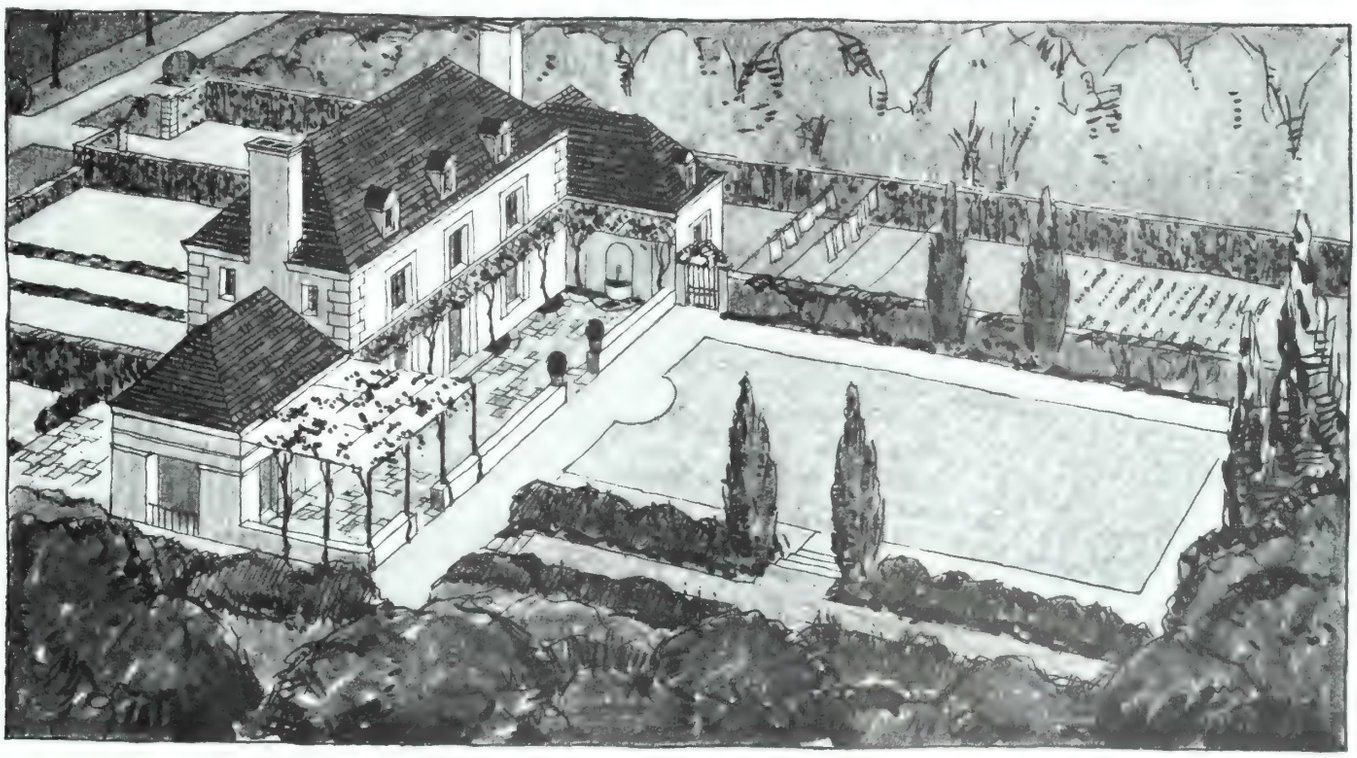
The garden face of this wing is a blank wall relieved by an ornamental wall fountain. Screened on both sides by high hedges, the drying and service yard lies directly to the rear of the service section

little if any resemblance to the original houses in France, from whence came their inspiration. Just as it must have seemed shirking duty to the cook merely to cut a melon into slices and serve, so, to the over-conscientious architect, it is sometimes apparently not permissible to profit by decades of experimentation in France, and simply create an American adaptation. Yet from the most distant provincial town to the Place de l'Opera there are endless examples of employing a formal alignment of motifs simply, effectively and economically.

In passing, it may be in order to acknowledge that to discuss French houses as being either formal or informal does not make for archaeological accuracy. However, the modern American house should not rigidly pursue any one style to the *nth* molding and become merely a cold copy. Many French houses built in one period were altered according to the fashion of successive styles, and at present are still more than satisfactory—except in the matter of accurate pedigrees. Therefore, within the compass of a few pages it seems more important to consider the main underlying characteristics of formal French houses in general, rather than to split hairs and sort them out according to the reigns of the Louis', the Napoleons, etc. And simply because a house is said to be formal in architectural treatment does not in the least imply that it cannot be gracious, or have a roof mass which varies in height, but rather that when differ-



Many distinct types all come under the general head of French formal architecture. The formal French style itself is based on the Italian. In the sketch above are four distinct variations of the French manner and countless others are possible. Although the illustration shows the houses grouped closely together, in actuality each should have much more garden area

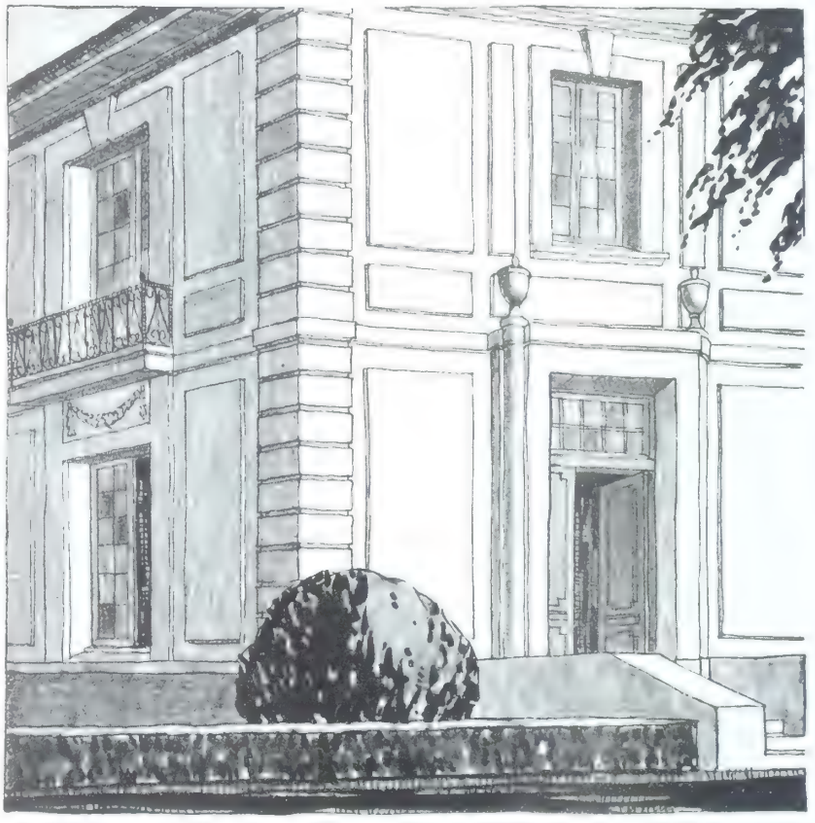




ences occur they be symetrically massed.

On walking down any French street lined with walls to the very pavement, the houses may not seem to be intimately related to their sites. But that is merely because the living rooms of the house are toward the enclosed rear garden—for French houses never wear their hearts on their sleeves. No matter how formal they may be, there is always a means of relating house to garden, and of not disclosing everything at a glance. There are forecourts, terraces, clipped rows of trees or shrubs which lead the eye into a pleasing variety of vistas. Rather than perch a house in the middle of a plot, as we are so apt to do in America (like the central drawing on page 88), it is arranged so that only part may be seen at a time. It is as though the ensemble had a personality which said, "Yes, come through this gateway and a row of poplars will lead you to the vine-covered terrace. On your way don't be surprised if suddenly you come upon a little wall fountain. Or would you rather turn to the right to see the flower beds? If you love flowers you will enjoy the *petite* Versailles garden laid out on the axis of the sun room—it lies just beyond that high clipped hedge."

Between the time of *Le Grand Monarque* and about 1830 French houses are of a type which recommend themselves for American adaptation. They are generally



We have an abundance of land with a long frontage to the road yet want more privacy from the road or street, or sometimes to screen the latter, the treatment which is suggested above may be employed even in another style.

Plaster cornice and interest by the use of mitered joints at the corners and by the right of the wall entrance, and lack of detail in the horizontal cornice.

The house is painted a strong deep color in contrast to the white or mellow color wall—a natural and sensible means in lieu of cultivating the effect of sun-bleached or sun-coloring mold at the grade

The type of French house detailed at the right is particularly applicable to America, [illegible] simplification to which the various details [illegible]

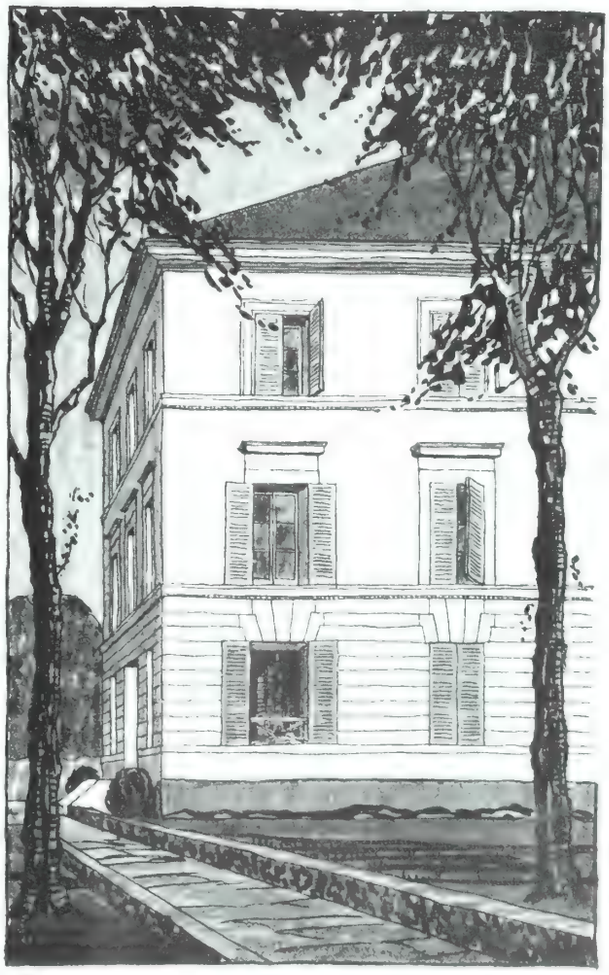
Ecouen, suggested by one at Saint Vigor, Viroflay, and window with [illegible] from Sablon. It is not necessary [illegible] blood and treasure of escaping the hackneyed

If raised plaster panels prove too expensive, a means of achieving a similar effect would be to score the plain plaster surface with [illegible] parallel lines



Garden façades are usually at their best when softened by planting. The diagonal lattice on the house above is a pleasing variation from the usual type, and would be an excellent preface for Louis XVI interiors

A low wall bounds the terrace and provides a ledge for potted plants. Poplars and clipped trees form a screen at the lot line. The left portion of the illustration suggests an interesting second floor terrace scheme



The modern plastered house is very apt to be barren of interest, whereas if it followed after one of the formal French examples it could not only be replete with a wide variety of inexpensive detail features, but restful and dignified as well

Versailles has countless houses of this type, with a rusticated first floor surmounted by plain plaster surfaces. All drawings accompanying this article are the work of Mr. Geerlings

exceedingly simple or, if not, we'll not suffer by being made so. Build a Gothic house without all the requisite trimmings and it becomes a pitiable thing. But with a house surfaced with plaster and depending upon proportion, restraint and good taste, rather than upon costly carving and materials—what more can be required?

For both practical and esthetic reasons horizontal band courses are important elements. Since there must be window sills in any case, it does not cost considerably more to make them continuous—consequently they are not an extravagance. Furthermore, plaster sometimes cracks, and the latter will be easier to repair if halted by a band course. Frequently vertical streaking caused by rain coursing down adds to the picturesque quality, but more often the owner wants to see his house looking trim. The usefulness of band courses comes at this point, for there can be a drip molding at each horizontal course, which will cause the water to drip down instead of running down the wall from roof to grade. Esthetically the value of horizontal emphasis cannot be over-estimated. The entire house is given dignity and repose, it appears close to the ground and the eye is satisfied by the obvious relation of one window to another.

For the home owner who feels that our Colonial has been somewhat overdone and

(Continued on page 132)



Early American Character For Ohio

Dunn & Copper, Architects

The entrance walk of Dr. Harry M. Tuttle's house at Shaker Heights, Ohio, lies softly on the turf among trees and shrubs. On the front facade the central bay projects slightly beyond the first in the familiar Early American manner. The residence contains ten rooms, four of which are bedrooms, and a three-car garage





Sigurd Fischer

Summer In A Danish Garden

The main feature of the garden of Carl F. Glad at Copenhagen, is a long, narrow water canal curbed with stone and flanked by flower-strewn, pebbled banks. Dry stone embankment walls planted with alpine creepers complete a naturalistic picture worthy of emulation in many a garden here



George H. Van Meter



The garden of Mrs. William S. Harmon, at Sasco Hill, Southport, Conn., extends between a public road and the shore that overlooks the harbor. A massed planting of shrubs and Pines gives it the desirable seclusion from the highway. As the garden lies at some distance from the house, on a receding plot of ground, it is related to the house by an arched trellis gateway with seats and fronted by shallow stone steps.

The central feature is a pool, painted a grassy green to give an appearance of depth, and with low plants set in the flagging of the rim. Flower border surround the wide grass panel. In front they are planted to summer blooming annuals, and at the rear Hollyhocks, Phlox, Anemones, Delphinium and Lilies have a vine-covered fence for a suitable background.

A weathered field-stone wall at the end of the garden's lower level affords a setting for Maude Potter Vonnah's delightful figure of the Water Lily Girl. The garden was designed by Agnes Selkirk Clark, landscape architect

An Old-fashioned Garden Above A Sleepy Harbor In Connecticut









Columbines To Lend A Garden Airy Grace

Louise Beebe Wilder

THE garden writer of ancient times who thought commendable an adequate adjective to use in describing the Columbine obviously had no prescience of the heights the simple flower was one day to attain, but judging from its portrayal in old garden books, it was suitable enough for the varieties known and grown at that early period. In Parkinson's *Paradisus* are numerous figures of Columbines, the fat double forms that were in those days the most favored, and very dull and stodgy they appear, with their short hooked spurs, beside the surpassing grace of the beautiful streamline flower of our modern gardens. When Parkinson wrote his *Paradisus* he was not acquainted with any of the American species but in his later work, the *Theatrum Botanicum*, 1640, he describes and figures our little wild red and yellow Columbine, *Aquilegia canadensis*, as among the plants that were sent home to England by John Tradescant from Virginia.

Soon other American Columbines found their way to the Old World and it is the blood of our long spurred species that inspires the modern garden varieties, with their incomparable beauty of line and grace of carriage. Crossed with the sturdier European species there has resulted a noble race of Columbines, reliable of constitution, tall and strong, with beautiful foliage and flowers in many hues, from white to scarlet, from pale blue to purple, and many tones of yellow and orange, besides some of these hues in combination.

How lovely they are, the Columbines in our gardens today! Their blossoming marks the beginning of summer, and every garden should be full of them. Planted in generous

(Top) The Altai Columbine, Aquilegia glandulosa, prefers the highland garden that simulates its native Asiatic mountain home. Its sepals are pure blue and its surrounding laminae creamy white. Another Columbine, A. jucunda, is very like it and easier to grow.

(Left) Vast improvements have recently been made in Columbines, both the size of the flower being increased and the spurs lengthened so that the flower head is held up





(Above) The rock garden is a desirable place for Altai Columbines. Other suitable kinds are canadensis in red and yellow, Skinneri with the same colors, flabellata nana, a squat lilac and white Japanese, coerulea in deep, pale blue and white, and alpina and pyrenaica, both blue
(Right) The Rocky Mountain Columbine, A. coerulea, prefers acid soil whereas most Columbines will flourish in the alkaline soil of borders

groups between earlier and later flowering plants they uphold the beauty of the border at a season which is apt to be scantily clothed. Set among plantations of bulbs their beautiful foliage, which starts into life very early in the year—long before Phlox and Helenium have thought of stirring—creates a lovely setting for the gay blossoms of Tulip or Daffodil. They belong in the front ranks of our border plants and are ornamental throughout the season.

Columbines are not commonly long lived. Some of the species indeed are considered as biennials, but they are so easily raised from seed that it is not a difficult matter to keep a frame full of vivacious youngsters coming along to replace their elders that gradually drop out. If we gather our own seed and are looking for the perpetuation of any special variety we may expect disappointment, for these gay creatures intermarry with such facility, not to say eagerness, that from any garden, indeed from any locality, innumerable variations and intermediate forms are bound to occur. It is wisest to buy fresh seed from a reliable

(Continued on page 138)



NORTH ELEVATION



SOUTH ELEVATION



WEST ELEVATION



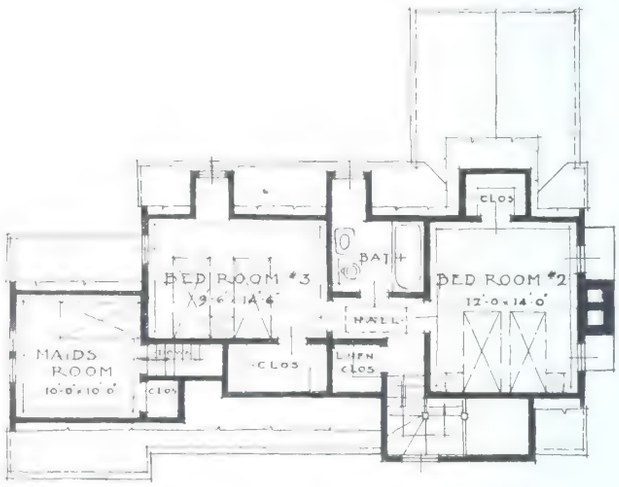
EAST ELEVATION

A Mountain Lodge For Holiday Use

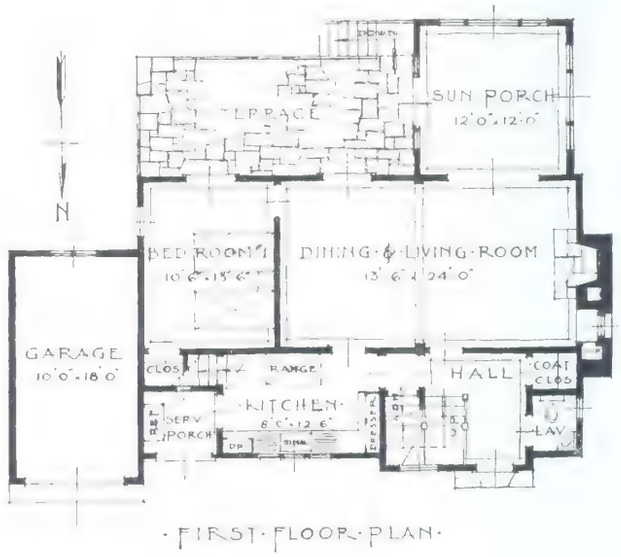
Today the tendency is away from large, overstuffed summer residences and toward small places that can be opened up for a few days with a minimum of trouble whenever fancy, or the weather, dictates—and closed and left half-an-hour after the spirit moves.

Here are the necessary four elevations and two plans of just such a little mountain retreat. It is not too small—for what pleasure is there in such a place if it will not accommodate at least a couple of guests? Yet it is small and simple enough to be put up by a local contractor, or even a fairly intelligent country carpenter from the drawings and plans shown here.

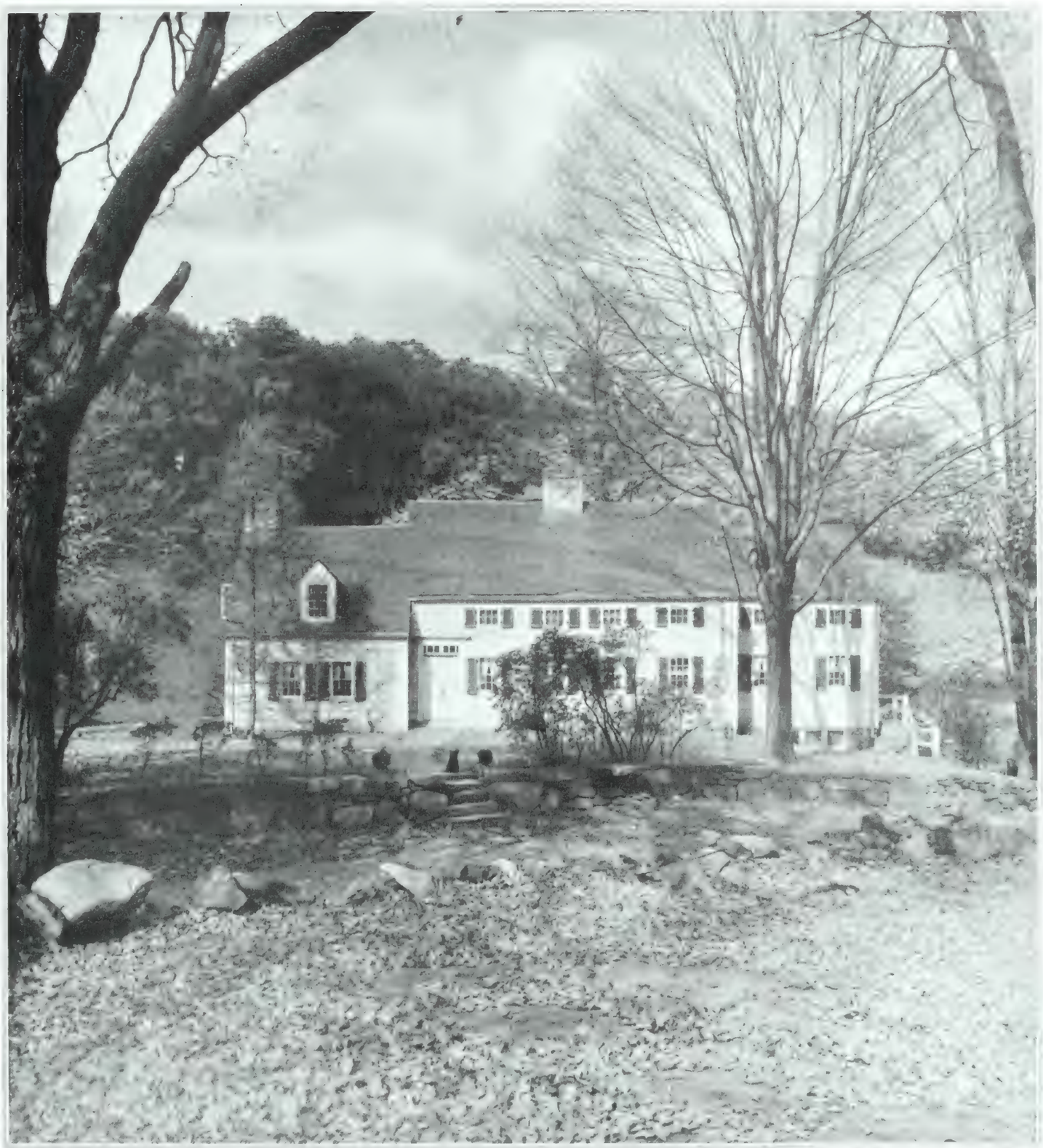
The stone of the base should be native rock. Shingles or clapboards can be used for walls, except where a stucco bay has been introduced for variety. Designed by S. A. Habersham



SECOND FLOOR PLAN



FIRST FLOOR PLAN



Paul J. Weber

Melvin Pratt Spalding, Architect

The Second Transformation

Of An 18th Century Residence

The original house, from which that shown above finally evolved, probably dates from the last ten years of the 18th Century. It comprised about two-thirds of the central portion of the residence as it now stands. In the latter part of the 19th Century the wing at the left was added and a porch developed across the front in the typical General Grant mode of the period. Photographs and a first floor plan of the house at this stage are given on the following page. The latest alterations have provided much additional space and brought the whole residence back to the original spirit. It is now the home of Mr. Morgan Parker at Katonah, New York









The plan to the upper left and the photographs above present Mr. Parker's house just before the architect began work on the last transformation. A comparison of the original plan with the new plans below it will show the extensive alterations.

The right wall of the dining room was an outside wall of the old house. The whole service section with the exception of one maid's room is entirely new. The partition between dining room and kitchen in the old structure has been torn out and the two rooms thrown into one, to make the present living room. A fireplace is centrally located in the end wall and bookshelves are built in at each side. A covered porch has been substituted for the shed at the rear.

Small but adequate windows have been cut through just below the cornice of the main house and dormers have been put in the left wing, to give sufficient light to the upper story. Here extensive alterations have been made and two large bedrooms with fireplaces, a nursery, one small bedroom and two baths are the result

From The Colonial To The General Grant And Back Again



Paul J. Weber



Although most of the house was clapboarded when Mr. Spalding began his work, one side still retained enough of the original shingled wall to give a clue as to the proper type to use. Much thought was put into designing details that would have the spirit of the rather unfinished yet soft effect of the early craftsmen's work

The small modern chimneys were replaced by large ones of the sort probably used in the original house. Brick around fireplaces and in the chimneys was softened on the edges and carefully selected. The principal entrance, shown in the view at the right, is from an early house at North Haven, Conn. Shingles have been scraped and are finished in a light gray weathered tone. All window and door trim have been painted a clear white. The old floors, as originally laid over the hewn cellar beams are retained with all their unevenness and sagging. Some of the old paneling in the house and a great deal of other old paneling is incorporated in the living room, dining room and other places

The photograph at the top of the opposite page compared with the one above gives an idea of the remodelling the rear has undergone. Carrying roofs over porch and the wing in long sweeping curves has established a relationship between house and contour of site. A real Early American spirit pervades the whole structure





This residence, the home of Mrs. Mary B. Roberts at Scarsdale, N. Y., was designed as a free interpretation of the French provincial type of Brittany. While no attempt has been made to follow the precedent literally, the architect aimed to gain the general character of Breton work without using expensive ornament and detail that are often quite meaningless.

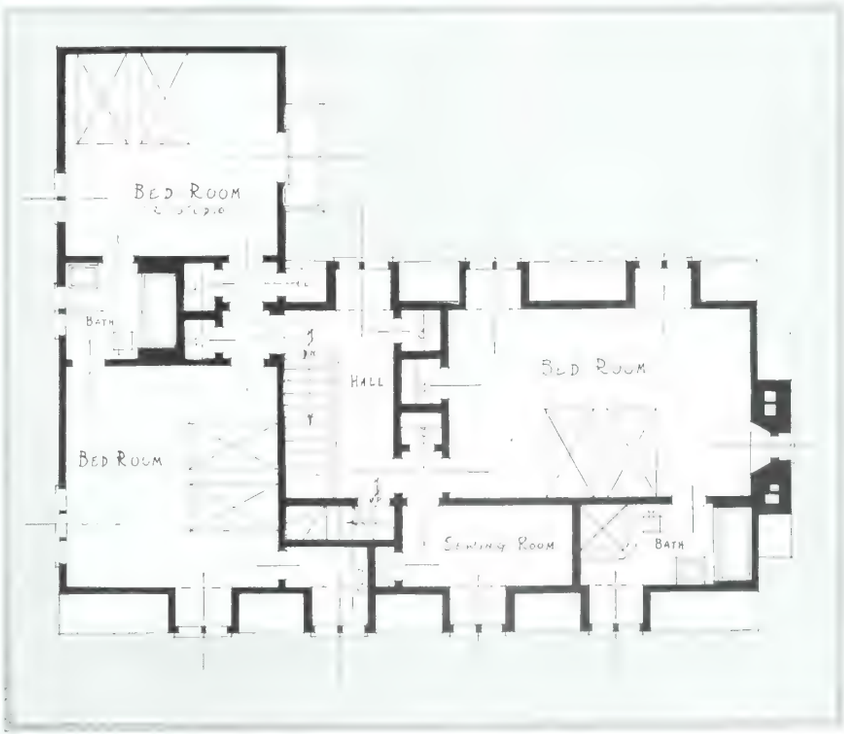
Walls are white stucco textured to give something of the effect of white-washed stone. The roof is black slate, with the slates laid in a slightly irregular manner. The chimney is faced with local stone. Above is the front facade. The rear view of this house is given on the opposite page

A French Provincial Interpretation



In conformity with neighboring houses this one has been placed fairly close to the road, allowing a rather large garden space at the rear. As the front faces west, it was decided to place the living room at the back, taking advantage of the eastern exposure, as well as the view of the garden and the thickly wooded landscape beyond

Dining room and all service rooms are to the left of the entrance hall. In front of the living room is a library, connecting with the hall by a short passage which also provides access to a lavatory. On the second floor are three large bedrooms, a small sewing room and two baths, one of which opens only to the master's room

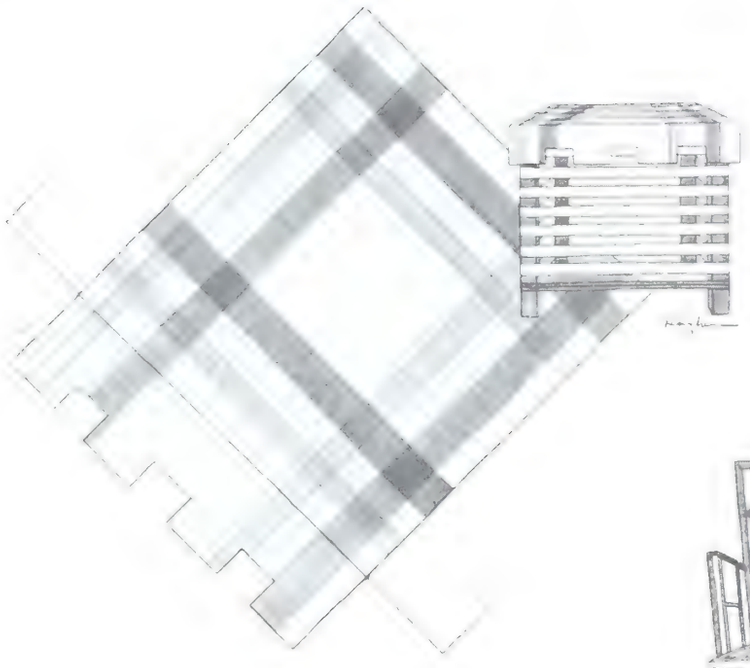


Herbert T. Johnson

Architect

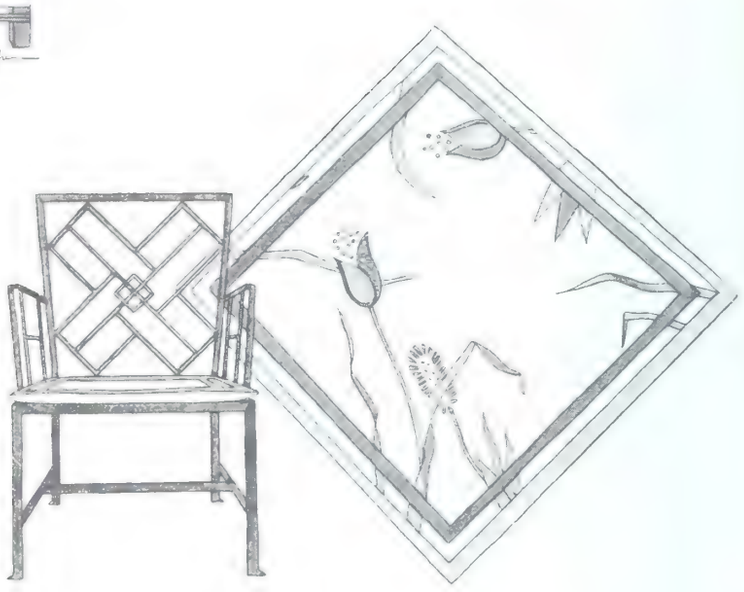
Ideas For Chair Pads

Designed by Isabel Peirce



PLAID LINEN

Design for an appropriate chair pad to cover outdoor wicker furniture illustrates the point. (Above) Boxed cushion covered in rough textured plaid linen. Oblong of [illegible] yellow, green and red and purple striped awning duck. Paper measures 18 x

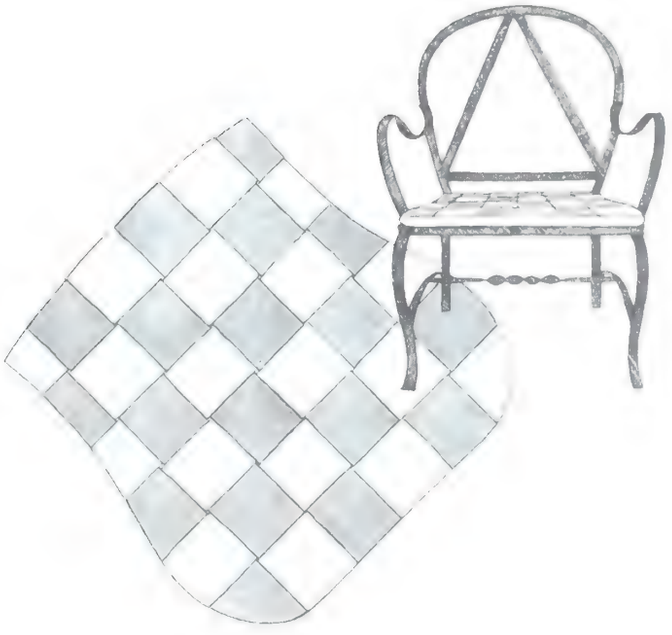


INTERLACED MERITAS

At the left is a flat pad for an iron or wicker chair made of two-inch strips of silver and lacquer meritas, a waterproof fabric resembling leather (Strohane & Rousant). These are interlaced to form a checkerboard design and the pad is finished at the edges with narrow bias folds of [illegible]

PERMATEX

(Above) Waterproof permatex (Richard E. Thibaut) makes a flat pad for an iron chair. The background is light écru with a modern design in coral and henna. Pad is finished with henna cord and three bias folds an inch and a half wide of plain waterproof glazed chintz (Morton Sundour) in harmonizing shades



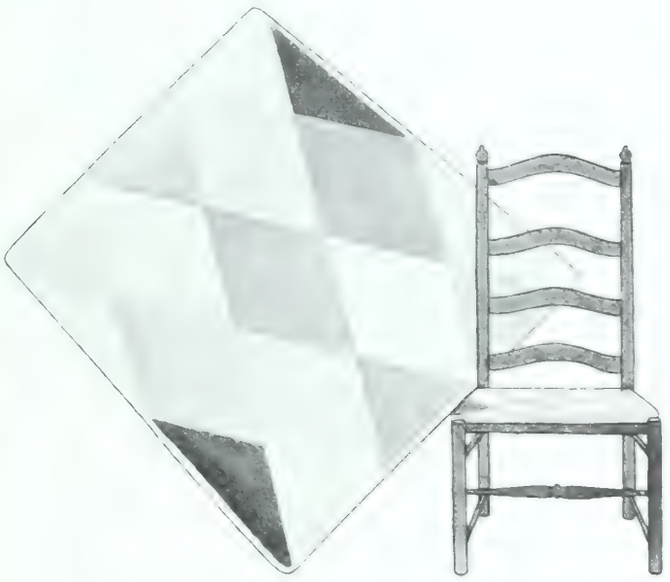
SUÈDE CLOTH

(Right) Pad of two layers of suède cloth, a soft-textured fabric which is very effective for use on both iron and wicker furniture (J. H. Heap). The top piece is cut out in circles to reveal the yellow lining. Bound in [illegible]



To Use Indoors And Out

In A Variety Of Fabrics



GLAZED CHINTZ

(Above) Pad for Early American maple chair in harlequin design. Sunfast glazed chintz (From Morton Sundour) in two or three shades is cut in diamond shapes, sewn together and backed with plain glazed chintz. The edge of the pad is finished with a cord. This design is particularly effective in chartreuse and indigo

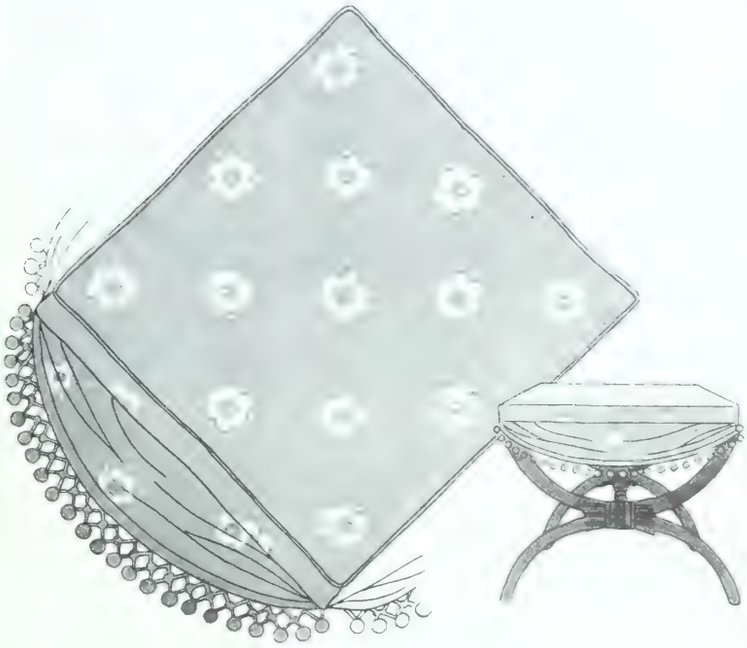
QUILTED TAFFETA

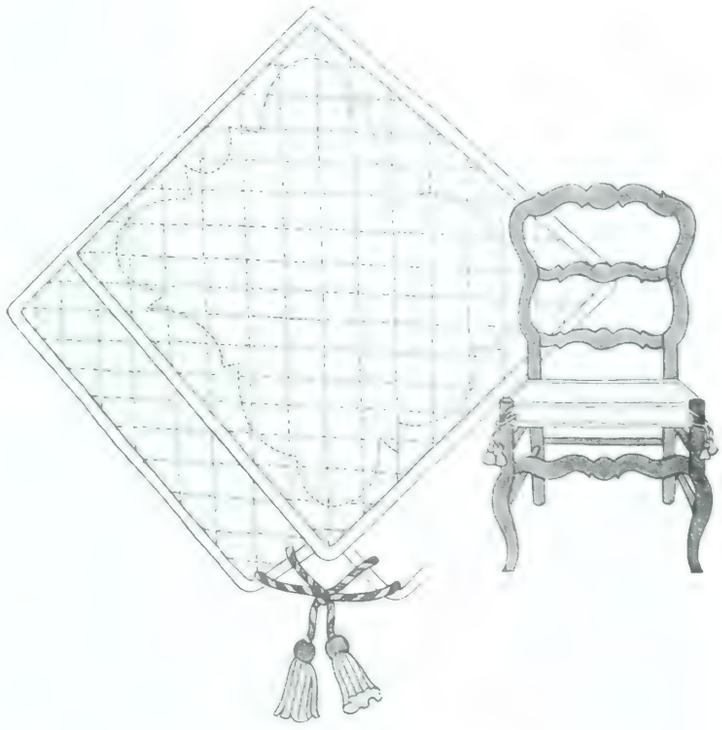
At the right is a decorative seat for a French chair. A flat pad finished with a four-inch flap is covered in plain-toned peach colored taffeta or glazed chintz (From Johnson & Faulkner). This is hand quilted, piped in blue and laced together at the corners with blue cords finished with small blue silk tassels



TOILE DE JOUY

(Above) Cotton toile de Jouy (F. Schumacher) in one of the famous designs created by Jean Baptiste Huet makes the round pad for this small Directoire chair. It is prune color on a cream ground, edged in alternate [illegible]





EMPIRE DAMASK

The [illegible] is a green [illegible] suggested for a small Directoire bench. Copper colored damask patterned in a simple dull gold rosette design (F. Schumacher) is edged with netted ball fringe two inches wide. The edges are piped in gold satin



With Latticed And Marbleized Walls

Latticed wall paper in black on white, bordered by frieze and dado of black and gold marbleized paper outlined in Greek key design, forms a striking background for a Directoire dressing room in the home of Mrs. Carleton Betts, Watch Hill, R. I. Curtains are of yellow silk with terra-cotta and gold fringe; black and cream [illegible] floor. Albert Bartlett was the decorator



G. W. Harting



In the Louis XV bedroom above, a shallow bed alcove is framed in antique paneling of typical design. Curtain boxes are reproductions conforming in design with the alcove framing. Woodwork is cream, the ground color of the blue and rose flower-patterned Zuber paper. The Louis XV bed is covered in silk velvet. Curtains are rose taffeta. A gray chenille carpet covers the floor

In another French bedroom, the fireplace grouping is worthy of special note. To the left is a Louis XVI bergère with cream frame upholstered in rose and blue silk. Facing it across the stone mantel is a Louis XV bergère covered in rose silk velvet upon a green frame edged with rose. An unusual violet wood desk and a screen painted in the Chinoiserie manner are in the background. Both rooms were decorated by Brunovan

Distinguished Groupings In Two Bedrooms Decorated After The Fashions Of The Louis

Mirrors Traditional And Modern

Suitable For A Variety of Uses





Splendid for hanging over the mantel in a formal English dining room, or above an 18th Century English console in hall or living room, the delicately carved gilt Chippendale mirror above is 25 by 58 inches. From Lord & Taylor



(Upper left) Although Directoire in design, this mirror with its border of scattered gold stars on emerald green glass has a smart modern air. It would strike a gay note in a small entrance hall. 16 inches wide, 26 inches high. R. H. Macy

For a formal French room the Louis XVI trumeau mirror to the left is suggested. Decorative panel and border are carried out in soft green with gold carving. Conventionalized musical instrument design. 35½ by 63 inches. Brunovan

(Right) Especially appropriate for the small apartment in town is this delightful gray and gold Louis XVI mirror and console combination. Console 15½ inches wide, 8 inches deep, 25 inches high. Mirror 13½ by 50 inches. Brunovan



The large mirror and rare Regency console below carry exceptional distinction and grace. Both pieces are in black with decorations picked out in gold. Mirror, 40½ by 63½ inches. Console, 51¾ inches wide, 12¾ inches deep and 32 inches high. Both from Mrs. Buel

(Right) Modern dressing table with brushed chromium frame and mirrored base. Stool of black bakelite with top covered in zebra skin makes an appropriate companion piece. Mirror, 63 inches wide. Entire piece 72 inches high. Base, 12 inches deep. The Frankl Galleries







The individual charm of the Biedermeier mirror above well displays what has recently brought this period into vogue. Of walnut with a black diamond form inlay in the center of the top panel. Columns are black with dull gold base and capital. 24 inches wide, 34 inches high. From Cassard Romano. Other mirrors are shown on page 112

The Gardener's Calendar For April

The Calendar of the gardener's duties is planned as a reminder for taking up all his tasks in their proper seasons. It is fitted to the climate of the Middle States, but may

... one hundred miles north or south, allowance is made for a difference of from five to seven days later or earlier in the time of carrying out the opera-

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1	2. The perennial ...	3 ...	4 ...
5 ...	6 ...	7. ...	8 ...	9. William R. Prince, nursery- ...	10. ...	11. The wall ...
12 ...	13 ...	14 ...	15 ...	16. Put grown plants of many ...	17. ...	18. When the Peas are about 4" high they ought to have the soil drawn up around them on both sides as a support until they begin to send out their climbing tendrils. Good twiggy brush make a good support for them; perhaps the best ...
19 ...	20 ...	21. Remember that ... attack ...	22 ... above ground. Subse- ...	23. Sow at Wood- ...	24 ...	25. Seeds of ... germinate quite ...
26 ...	27 ...	28 ...	29 ...	30. In wet Glou- ... garden Peas. In a ...		

If an artificial rockery is to be constructed, it should be borne in mind that it is not for the purpose of displaying a collection of curious rocks fantastically arranged, but to provide a place for ... Warren H. Manning

○ First Week: ... ● Second Week: Cloudy and warmer, followed by southerly rain. ◐ Third Week: Real growing weather; grass quite green. ○ Fourth Week: Hot spell ...

The Ceaseless Garden

Old Doc Lemmon Takes A Cue From Jep

... 'bout changin' his bed, an' when he swaps the stove for thet pile o' ... dust ye'd better git ready to dig garden.

... lived to be goin' on fourteen year old. As a youngster he used to hunt quite ... goin' off for two-three days at a dip, like most hound dogs will; he liked his ... bread was buttered on an' thet mebbe there might even be some comb honey smeared onto it if he didn't track no mud into the kitchen. When M.C. Taylor hitches an' dog spend the winter back o' the parlor stove ye know mighty well thet he's earned it by watchin' his P's an' Q's.

"Wal, as I was sayin', Jep's out ag'in, layin' on his side in the sun. An' by the same token I'm a-goin' to git my hoe right now an' put in some ...

Ah! quelle saveur!



Your choice

Asparagus
Bean
Beef
Bouillon
Celery
Chicken
Chicken-Gumbo (Okra)
Clam Chowder
Consommé
Julienne
Mock Turtle
Mulligatawny
Mutton
Ox Tail
Pea
Pepper Pot
Printanier
Tomato
Vegetable
Vegetable-Beef
Vermicelli-Tomato

LOOK FOR THE RED-AND-WHITE LABEL



To the French belongs this glory. They consider that whatever is worthy to be the food of man is also worthy of man's highest imagination and loving artistry. To the French exquisite flavor, in all its subtle nuances, is a religion. And it is at the hands of celebrated French chefs that Campbell's Tomato Soup has been created into one of the world's masterpieces of the culinary art. Ah, what flavor indeed!

Tomatoes developed, under Campbell's tutelage, to the highest perfection for making the soup for the connoisseur. The pure, tonic juices, the luscious tomato "meat" in a smooth, ingratiating puree, enriched with choice creamery butter. The ultimate refinement in the seasoning, of course. Such a soup as lingers vividly in your memory, as a gay and happy event in your appetite's little world. And it's but one of 21 — a complete cycle of all the leading soups of the world—in the true Campbell's manner. 12 cents a can.

MEAL-PLANNING IS EASIER WITH DAILY CHOICES FROM CAMPBELL'S 21 SOUPS

Eleanor Beard



The spread [illegible] 90" x 105", $32.50. Double sheet, 90" x 105", $37.50. Matching Drapes, $12.50 a pair.

Eleanor Beard designs this new, delightful ensemble for the bedroom of a smart country home . . . The "Garden of Flowers" Bedspread takes its name from a profusion of gay posies—peach, blue, violet, with green leaves and a Morning Glory border—appliqued on a cream background. And what's more enchanting than more Morning Glories that clamber up one's window, on the matching drapes! Made entirely of everfast gingham, the ensemble is charmingly decorative—and, like all Eleanor Beard's exclusive creations, hand quilted in her Kentucky studios.

Eleanor Beard's [illegible] are on sale at the shops listed below, or by [illegible]. Write them for [illegible] and a booklet of [illegible] for [illegible].

STUDIO "BEECHANDS" HARTFORD, KY.

NEW YORK	CHICAGO	PASADENA	SAN FRANCISCO
509	600	41	605
[illegible]	[illegible]	[illegible]	[illegible]
DETROIT	**SANTA BARBARA**	**LOS ANGELES**	**LOUISVILLE**
556	8	Rollin L. Wilshire	120
[illegible]	[illegible]	Wilshire Blvd.	Heyburn Bldg.



Scenic wall paper is a delightful background for this French walnut 18th Century mirror 23 inches wide, 40¾ inches high. Danersk Furniture Co.

Mirrors For A Variety Of Uses

THERE is no room that will not be benefited by a well placed mirror. By adroitly positioned mirrors the small room takes on added space, and by reflecting what little light does enter, the dark room can gain double the usual amount of sun.

The type and size mirror to be used in a certain room is, of course, governed by the style in which the apartment is furnished and the price at which the mirror is to be hung. On the [illegible] page [illegible] and [illegible] are shown mirrors which range in variety all the way from the simplicity of the modern manner back to the florid gilt style of Chippendale. Each is an excellent example of its type and given a suitable place will contribute much to any interior.

Smart present-day trends are toward colored and black mirrors. Gold glass is a particularly new feature. Ordinary glass mirrors are often framed with blue or green glass borders. An example of this fashion is the mirror framed in emerald-green [illegible] shown on page [illegible].



With its graceful lines and charming painting in the Watteau manner this mirror is excellent to reflect the soft colors in a French drawing room. Cream accented with gold. 29½ inches wide and 63 high. Altman

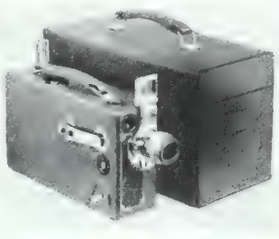
Only $75 *for this new Home Movie Camera*



A Simplified Ciné-Kodak ... low in price ... *and sold on easy terms*

HOME MOVIES are not a rich man's hobby ... something you would like to have but think you can't afford.

Eastman has so simplified the motion picture camera that today a Ciné-Kodak can be bought for as little as $75, with case included. It's the Model M, illustrated above ... the lightest camera ever made for 100 feet of 16 mm. film. Comes with *f*.3.5 lens and a special attachment for close-ups.



Ciné-Kodak Model K (at right) is in brown, gray, black or blue, with case to match. Price ... $110 with *f*.3.5 lens; $150 with *f*.1.9 lens. Kodascope projectors as low as $60.

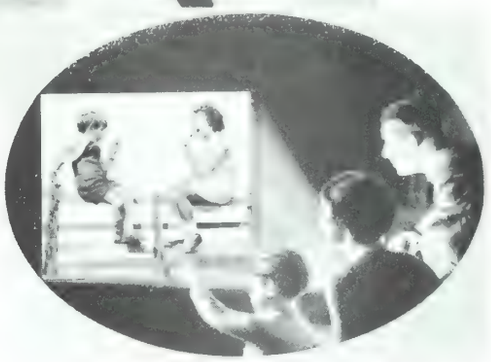
No focusing required. You just aim your camera and press a lever ... that's all there is to it. You get crisp, clear movies ... sparkling with quality ... alive with action ... the first time you try.

Developing by Eastman experts is included in the price of the film. Your reels come back to you promptly, ready to show in your home.

Turn the switch of your Kodascope projector. Then sit back in the quiet of your darkened living room and enjoy the movies you made yourself.

If you haven't made a movie, you've missed one of the biggest thrills in life. Get acquainted with this new form of home entertainment.

Stop in at your Ciné-Kodak dealer's and ask him about the Ciné-Kodak Model M. You can get a complete outfit, Ciné-Kodak, Kodascope and screen, for a small down payment and easy terms, if you wish.



What a thrill! There before you on the silver screen are your own children, laughing and rollicking ... every smile, every gesture as real as life itself.

Mail coupon for free

HOME MOVIE BOOKLET

EASTMAN KODAK COMPANY, Rochester, New York
Please send me FREE illustrated booklet telling me how I can easily make my own movies.

Name _____

Street _____

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Ciné-Kodak *Simplest of Home Movie Cameras*



"See My KANE QUALITY Window Screens Roll Up and Down"

"Honestly, dear, they're the most convenient Screens I've ever seen"

"KANE QUALITY" *Roll Screens* are the last word in convenient protection against flies and insects. Once installed, they are up to stay. For old or new homes, they are either built into the casement window head or attached inconspicuously and permanently to it. They roll up and down easily and quickly, locking automatically in place when pulled down. An insect-tight seal is assured as the bottom rail with its felt weather strip fits snugly against the sill.

"KANE QUALITY" *Roll Screens* use only Anaconda Bronze wire screen cloth with four strand reinforced selvage edges, lacquered to preserve the attractive appearance. All metal parts are finished in any color or bright or oxidized bronze to harmonize with the color scheme of your home. They can be installed without delay as they are carried in stock in one inch widths to fit windows from 11 inches to 48 inches wide.

Send for the beautifully illustrated booklet describing "KANE QUALITY" *Roll Screens*. Other types of Rustless Insect Screens and Doors, or "KANE QUALITY" *Venetian Blinds* for efficient control of light and air in homes, are fully described in booklets which will also be sent free if you request them.

KANE MANUFACTURING COMPANY, Kane, Pa.

"Kane Quality" 1890

Roll Screens *Wood or Metal Frame Screens* *Venetian Blinds*

KANE MANUFACTURING COMPANY, Dept. G-4, Kane, Pa.

Please mail me information on subject checked.

☐ *Wood and Metal Frame Screens*

Improved Roll Screens ☐ *Venetian Blinds*

Name

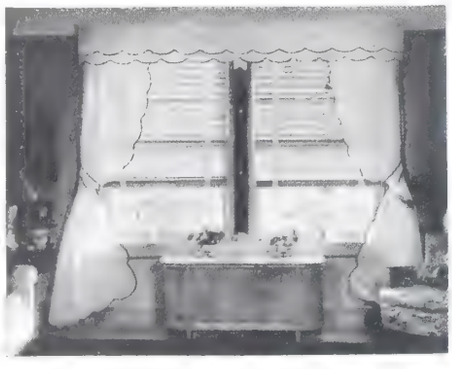
Address

City

Three Ideas For Windows



(Above) In a bedroom with a span of four windows the over-curtains are of chintz in a large, conventional floral pattern. A cornice of painted tin takes the place of a fabric valance. Decorations by Bertha Schaefer



(Left) Venetian blinds and crisp, white, glazed tarlatan curtains are ideal dress for the summer window. Scalloped edges are bound with dark blue braid. Blinds have been painted a lighter blue to match the walls

(Below) Taffeta curtains bound with a contrasting color, contribute to the feminine effect of this bedroom. The valance with scalloped edges is draped in graceful folds. McBurney & Underwood, decorators







An Exquisite LOUIS XVI DAMASK pays graceful homage to the immortal arts

In this finely balanced design, twin medallions bring to life the art of the centuries. One represents Sculpture with Cupid modelling a head . . . one is devoted to Painting and Literature. Music, too, is depicted amid frescoes and garlands of flowers in the inimitable French tradition. Again Schumacher distinguishes itself in the quality and delicate beauty of this Louis XVI damask . . . a fabric ideally suited to rooms of formal grace. Schumacher Fabrics are sold only through decorators, upholsterers and the decorative departments of department stores. Offices are located at 60 West 40th Street, New York City. Other offices in Boston, Chicago, Philadelphia, Los Angeles, San Francisco and Detroit.

F·SCHUMACHER AND COMPANY

Subtle colors, too lovely to fade...and guaranteed permanent in



ORINOKA

SUNFAST DRAPERIES

Perhaps it is a room whose complete simplicity is its greatest charm. Then color will be of utmost importance to it. Color will give it life and spontaneity. Perhaps it is a room of undeniable elegance . . . a room in which color must be used with consummate art. In either case, you will be most exacting about the quality of your draperies . . . for they, more than any other element in your color plan, are subject to fading.

Orinoka Sunfast Draperies assure you of absolute color-permanence. The colors you select may seem too fragile to endure a month, but, remember they are *guaranteed*. Those softened, delicate tints have been obtained by a special process of dyeing perfected by craftsmen of The Orinoka Mills. They cannot fade. You may identify Orinoka Sunfast Fabrics by the guarantee on every bolt. It reads: "These goods are guaranteed absolutely fadeless. If the color changes from exposure to the sunlight or from washing, the merchant is hereby authorized to replace them with new goods or to refund the purchase price."

Would you like our color-booklet, showing twelve new interiors assembled by a noted decorator? Send 10 cents and the coupon. We shall be glad to return, with the booklet, the name of a nearby dealer who will show you Orinoka fabrics in all their *real* beauty. The Orinoka Mills, 183 Madison Avenue, New York City.

ORINOKA SUNFAST

Draperies . . . colors guaranteed sun and tubfast

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Gentlemen: Please send me a copy of the Orinoka booklet, "Draperies and Curtain Hardware." I am enclosing 10 cents.

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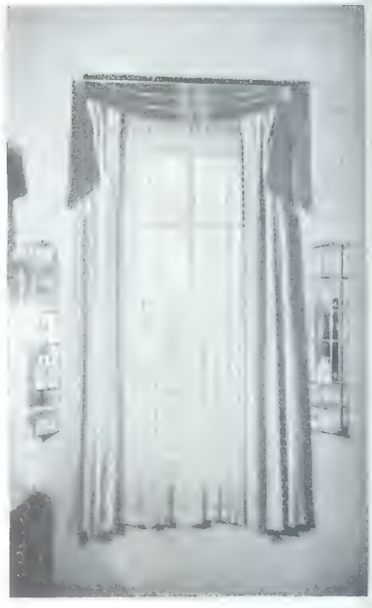


(Above) A graceful straight mat guilt of rose-stained dotted is the feature of this Spanish style den. The shutters take the place of curtains. Dwight James Baum, architect. Helen M. Snyder, decorator.

(Right) A small dressing room in cream and peach colored rayon faille is a pleasing sight here. The curtained china cabinet is an interesting and quite modern feature. The floor decoration

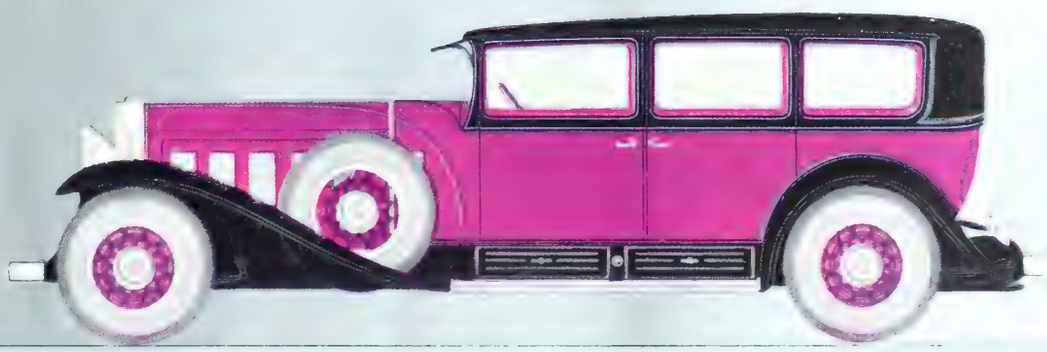
(Below) In a country bedroom, with flowered wall paper, a simple arrangement of dotted curtains lined with plain taffeta is used. The valance is made of pleated taffeta. Designed by the Browne Decorating Co.

Windows For Varied Schemes









It is impossible to arrive at an adequate conception of the Cadillac V-16 until you have experienced a demonstration—for there is no mode of transportation, whether on land or sea or in the air, more completely luxurious than travel in this distinguished car.

Custom Coachwork by Fleetwood • • *Priced from $5,350 to $15,000 f. o. b. Detroit*

CADILLAC V-16

CADILLAC MOTOR CAR COMPANY

DIVISION OF GENERAL MOTORS

CAN YOU TELL THESE RUGS APART?

KASHAN *Genuine* $1250.00

This costly rug is one of the choicest gems of the Kashan weavers, famous among the Persians for the rare beauty of their designs, colorings, and weaving.

KARASTAN *Duplicate* $195.00

Karastan reproduction, marvellous in its fidelity to the original: it has intricate design, rich color, deep pile, and rare lustre. Only its price is pleasantly moderate.



DEPTH of pile that your feet sink into, lustre and sheen of colors that charm the eye, superb and inspired design woven through to the back,—in each revealing detail which proclaims the hand-loomed Oriental rug the most beautiful and most satisfactory of floor coverings, the Karastan Rug is a significant 'double'! You can distinguish it from the precious original only in price—a mere fraction of the Oriental rug's cost!

KARASHAH
Equally Beautiful
Less Costly

KARASTAN

THE WONDER RUG OF AMERICA

WRITE FOR ILLUSTRATED CATALOGUE "M"

Karastan Rug Mills, 295 Fifth Avenue, New York

ON DISPLAY AT LEADING DEPARTMENT STORES—THIRTY SIZES—EXTENSIVE SELECTION OF PATTERNS—INSIST UPON KARASTAN

SOME TABLES DON'T NEED CRYSTAL



Yes, we can think of quite a few golden oak dining-rooms of the McKinley period where the beauty of Sloan Rock Crystal would strike a false note with the beaded portières, heavy cut glass and hand-painted china . . . where its gem-like sparkle would just naturally fade in such a homely, ugly setting.

But such dining-rooms don't concern you, who have long since discarded golden oak and heavy cut glass to the limbo of things passé.

Women who really care whether their dinner parties are smart are asking to see Sloan Rock Crystal in its many lovely shapes and styles . . . and are finding a pattern to harmonize with their dining-room.

From the tiniest liqueur glass to the tall, graceful goblets, each piece of Sloan Crystal has that rare fire and lustre that only fine glass made of the purest materials boasts. Each piece is designed by artists who derive their inspiration from the finest examples of old glass handed down through the years. And all of this glass beauty is available at very moderate prices.

SLOAN
ROCK CRYSTAL
RINGS LIKE A BELL

LONACONING MARYLAND

Look for this Trademark

Sloan Rock Crystal Ware in fifteen patterns, including all types of glasses, goblets and plates in three sizes, may be obtained at Gimbel's, New York; Carson, Pirie & Scott, Davis Co., Chicago; Snellenberg's, Philadelphia; A. Stowell & Co., Inc., Boston; Ed. Schuster & Co., Milwaukee; Sterling & Welch Co., Cleveland; Tuttle & Clark, Detroit; Kresge, Newark. If your favorite store does not carry it, write direct to Sloan Bros. Rock Crystal Ware, Lonaconing, Md.

WELCOME "SHOWERS" for June Brides



THE Bride loves to be showered with the unusual, particularly in fine housewares. *You love to give "the unusual"*. Something different. Something that will be remembered as *your gift*. Something that will make her exclaim: "Where! where, did you discover such a lovely, practical thing". Need we say more —except to leave this suggestion? Send for our latest bulletin—"Smart Housewares"—suggestions not only for June Brides, but for the comfort and convenience of *your own* home and household.

CLOSET EQUIPMENT!

One of the most welcome gifts to a bride (or to yourself) is this complete set of closet conveniences as shown in the above illustration. Estimates cheerfully given. Or you may buy any of the following closet equipment separately.

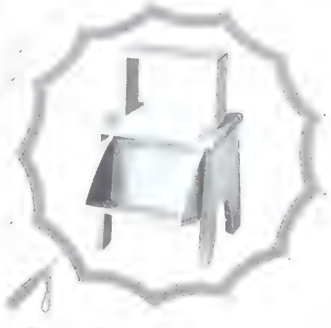
Garment Hangers—Pajama Hangers
Hat Stands—Umbrella Racks
Trouser Hangers—Tie and Shoe Racks
Closet Seat—Shelf Mirror
Dressers—Dressing Mirrors—Ironing Boards
Very Moderately Priced!!



"THREE NEW YORKERS" TRAY—

Comfortable for breakfast trays, tilted for reading, flat for use as a writing table. Then, with a simple adjustment, it forms a reading rack that holds a book at just the right angle. Lacquered light Blue, Jade, Green, Ivory or Rose, with lovely floral decorations.

With [illegible] $24.75
Without decoration $15.00



NON-TIPPING "TWO STEP" STOOL

A practical convenience. Hinged compartment [illegible] cleaning materials. Rubber shoe [illegible]. Top step 11 inches from floor. Antique maple, or lacquered any color. $8.75. Unfinished, ready to paint . . . . $7.75.



• • •

"PRESS-OR" Orange Juicer. Extracts and strains with one stroke of the handle. Your morning glass of orange juice in 8 seconds flat. Polished stainless steel and aluminum. Easily cleaned. Cannot get out of order. No electricity. Equally good for grapefruit, lemons, limes or tangerines. De Luxe Model . . . . . $15.00.

When ordering send check, money order, C. O. D. instructions, or Charge Account references. Delivery prepaid within one hundred miles of New York City. To points beyond, charges collect.

Hammacher, Schlemmer

145 East 57th St., New York, N. Y.

VOlunteer 5-1700

"The House of Fine Housewares"



From the clothes closet directly behind a bed-head a bit of space was divorced to aid in the creation of this simple recessed bookcase

Magpie Corners

(Continued from page 80)

adopt as it is either Old World design or modern motif, and can be kept clean with soap and water.

One mother, mother of a lively brood simplified somewhat strenuous existence by instituting a highly specialized "first-aid and Infants' wear" department in the big coat closet on the ground floor, so that emergencies might be quickly handled. Requisites for His Majesty were contained in a set of delightful baby bottles with glistening caps of pink and blue, smart silver labels and nursery book decorations, designed by manufacturer "J." Thus the [illegible] problem in a home with no downstairs bath is solved.

The coats, wraps and rubbers, evicted from the transformed closet, will find a haven in the splendid all-purpose wardrobe, which is one of the best offerings of manufacturer "K." This fits into back entry or unused corner, and may have any finish desired to match its surroundings. It offers a decided saving in space for clothing duties on one hand, to keep the various members' possessions from intermingling too intimately. The other half contains the coat hangers, resting on an ingenious device that slides all the hangers out within easy reach at the touch of a finger.

Many are the spots which search will reveal, that can be turned to good account in making the delightful book niches, which seem to build the library right into the home. For no type of bookcase can give quite the intimate cheer of recessed shelves. The old toddy or bread cupboards, on either side of the great hearth, in many a home of Colonial ancestry, make a splendid repository for colorful bindings by the removal of the doors. Their depth is sufficient to hold, always accessible, a can of that wonderful preservative by which manufacturer "L" cleanses and beautifies the leather bindings in the finest libraries in the world. And perhaps, in an upstairs bedroom, a closet too shallow for really practical usage, can be opened up, transformed into a niche for the head of the bed, and the sides lined with book-shelves for the use of the inveterate night reader.

A wise pioneer was the woman who, in deference to a dearly loved invalid in the family, transformed her only guest room into an upstairs sitting room, by installing a "traveling bed," as she called it. These splendid beds—made up complete to their coverlet and pillows—up-end themselves at a mere touch, and roll away wherever fancy dictates—onto the sleeping porch by night, into a distant closet by day. They release the space once arbitrarily demanded by a piece of furniture used only one-third of the twenty-four hours. Manufacturers "M" and "N" make these beds in such a variety of finishes and types that any set of circumstances may be met satisfactorily. If the room has its own closet of adequate depth or width, a swinging type of bed may be installed which will retreat during the day behind the closet door.

In connection with invalid care, stair travel can be reduced considerably by installing one of the compact breakfast nooks, made by manufacturer "O," on the second floor. Perhaps an unused maid's room can be redecorated with the washable paper made by manufacturer "P," and equipped with electric grill and the small electric refrigerator made by manufacturer "Q."

The roomy, old-time kitchen can often be made to yield many feet of floor space when the introverted heat of gas or electric cookery, the compact kitchen cabinet and routed traffic arrangements, condense the working area. Space at one end may even be stolen for a game room—provided entrance is possible from the living part of the house. Against a background of the decorative paneling which manufacturer "R" offers in convenient units the bridge table and backgammon board may be permanently set up. Manufacturer "S" offers a convenient, one-legged table for solitaire or chess players; table and chairs are skillfully fashioned in the modern manner for sophisticates, by manufacturer "T."

(Continued on page 122)

A thoroughbred among silverware
Gorham's new "HUNT CLUB"



THE ONWENTSIA HUNT, AT LAKE FOREST, IS ONE OF THE SMARTEST IN THE COUNTRY. AUSTIN H. NIBLACK, ESQ. (CENTER) IS M.F.H.



The new sterling being used by Masters of Famous Hunts • Onwentsia • Middleburg • Jacobs Hill • Harford

THE high tradition of the hunt carries with it the spacious hospitality of aristocrats.

And that Masters of four of America's most celebrated hunts are using, on their own boards, the new "Hunt Club" sterling is significant. For the graceful fluting of this new sterling, the exquisite balance and proportion of each piece, mark it as a thoroughbred and aristocrat among silverware.

It has the simplicity of great elegance—and therefore is in harmony with all beautiful things. In the magnificent home of Austin H. Niblack, Esq., M. F. H. of Onwentsia, in the Virginia home of Daniel C. Sands, Esq., M. F. H. of the Middleburg Hunt, the home of Benjamin L. Cook, Esq., M. F. H. of Jacobs Hill at Providence, the Long Island estate of Harry I. Nicholas, Esq., M. F. H. of Harford—everywhere, "Hunt Club" is serenely harmonious.

That is why fashionable hostesses and brides are so enthusiastically selecting "Hunt Club" for their own tables. In its first few months it has been bought in New York, Chicago, Washington and other important cities to a greater extent *than any other pattern of recent years.*

Your own jeweler will show you this exquisitely designed new sterling and you will find the name "Gorham" on the back or base of each piece. You will find it costs less than you expected. A complete "Hunt Club" service for eight—76 pieces—costs only $227.

Other Gorham patterns of varied periods include FAIRFAX, *with its Colonial simplicity,* ETRUSCAN, *in the classic Empire feeling,* ST. DUNSTAN, *in harmony with Victorian elegance,* FLORENTINE, *suggesting Italian and Spanish richness.*



ETRUSCAN · ST. DUNSTAN, CHASED · FLORENTINE · FAIRFAX

Pencil note flatware of the same "Hunt Club" dinner service at right illustrates the extraordinary beauty of Gorham's new sterling. The photograph is 3/4 actual size.

Your own jeweler will give you an illustrated 18-page booklet, "The Hunt Club," showing the popular patterns in the new Gorham Sterling. Or, send this coupon to The Gorham Company, Providence, R. I., Dept. P-2.

Name_____

Address_____

Gorham

1831 · A CENTURY OF LEADERSHIP · 1931

This Booklet

tells how the modern home MAKES ITS OWN WEATHER







Supreme comfort now available all winter

THIS booklet would be a best seller if offered in a book store. But it is FREE to you for the asking. All you need do to learn about having perfect weather in the home in winter is to fill out the coupon and send it to us.

The Carrier Weathermaker does not stop at being a complete heating system. It produces the same conditioned air in homes that the famous Carrier Systems of Manufactured Weather produce in theatres, hotels, office buildings, the Nation's Capitol, and many other large buildings. And the booklet tells just how the Weathermaker operates to warm and clean the air, control humidity and circulate the conditioned air under pressure to every room in your house.

In hundreds of homes this new system has wholly changed all previous ideas of winter comfort. Architects are specifying it for homes which are truly modern. Read why. Let this booklet answer your questions about weathermaking.

Carrier Weathermaker
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Warms · Humidifies · Cleans · Distributes

CARRIER CORPORATION, a Delaware Carrier Corporation 165-6-J
[illegible] Avenue, Newark, New Jersey
[illegible] Carrier Weathermaker



Samuel H. Gottscho

Colorful map murals by Lovrien Gregory decorate the walls of a boy's room in the home of Julius Gregory, Scarsdale, N. Y. These form an educational as well as decorative background for a child's room

A New World Of Enchantment

(*Continued from page 65*)

to reach his topmost treasured possessions. A screen completes the nursery equipment.

When we come to the style of the furniture to be used in children's rooms, contemporary designs are the most practical because of the elimination of all unnecessary detail. Charming interiors for children, however, can be achieved with French provincial pieces made of various fruit woods or Early American maple furniture. As to the finish of furniture, pieces painted in light tones always create a juvenile, attractive appearance when new, but are not practical if they are to have hard usage. Natural wood, light in color, with a few coats of white shellac as protection, is both attractive and durable. It is good [illegible] to refinish wood than to repaint. An occasional chair in a room furnished with natural wood pieces may be painted for a note of contrast. For example, in a nurse where the walls are peach color a the floor blue, one or two chairs mig be painted a lighter shade of bl than the floor. Red or yellow paint chairs are gay accents in a room whe walls are green and the floor is f ished in a darker green.

For the decoration of windows o has a choice of cotton voile, dott Swiss, celanese, organdy, net a glazed chintz. If the walls are paper it is wise to choose a color we wish emphasize and repeat it in a pl colored voile at the windows. Wh walls are painted, the modern print voiles with their charming styliz flower motifs, their vague abstract d signs, are a delightful treatment. D not overload the window of a chil room with heavy draperies. One set curtains of gay printed voile ma full enough to draw across the w

(*Continued on page 122*)



Bruce Buttfield

Another view of the modern boys' room shown on page 65. The metal beds are painted bright blue and yellow, with bedspreads of heavy linen in copper-brown. Joseph B. Platt was the designer



Furniture and decoration by Erskine-Danforth

This actual color photograph illustrates a trend that is being received with marked favor in homes decorated in the Colonial or Georgian manner. Floors covered to the baseboard with soft, warm carpet, making the room more comfortable and livable . . . and hooked rugs, or scatter rugs, thrown on top for decorative spots. Notice the seemingly seamless effect of the Collins & Aikman Carpet.

gone!

THE UNSIGHTLY SEAMS THAT USED TO MAR YOUR CARPETS

Now that the moving hand of fashion points with favor at all-over carpets, and the soft luxury of floors entirely covered is being more and more appreciated, there is one important factor to consider. To get the right decorative effect, there should be no unsightly stitched seams to mar the beauty of the smooth, rich surface.

If the new Collins & Aikman Carpet sounds too good to be true, remember that the world does move forward. Here is far more than just another carpet. It is the advanced expression of an entirely new idea in the carpet industry. A pile carpet of excellent quality, made in 54-inch widths, which appears seamless when laid . . . and sells at the price of ordinary strip carpet which must be stitched together.

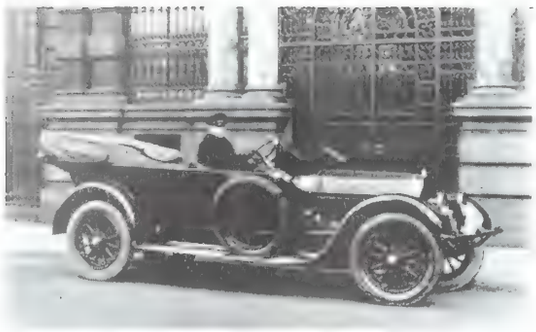
The main difference in Collins & Aikman Carpet is in the back, composed of a resilient material. This special backing penetrates the weave; locks it; allows the carpet to form its own selvage. The anchored pile will not pull out. Edges are joined by applying a tough web of strapping to the back. On the face, the thick pile meshes over the place where the joining occurs, and gives an actual broadloom appearance. *Seemingly seamless.* At a cost no greater than that of ordinary narrow-width carpet!

Collins & Aikman Carpet comes in a choice of sixteen colors, approved by prominent decorators. Among its unique features are the ease of cleaning on the floor, because of the moisture-proof back . . . the absence of lint when vacuum-cleaned, because the pile does not pull out, and the back is dust-proof as well . . . the ease and economy with which burned or stained spots may be cut out and replaced without showing lines of joining . . . and, by no means least, the opportunity to design special color patterns, possibly with the help of your decorator, and have them made up without the prohibitive cost of special weaving! For an interesting illustrated booklet, write to Collins & Aikman Corporation, 25 Madison Ave., New York City.

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SEEMINGLY SEAMLESS **COLLINS & AIKMAN CARPET**

SOLD BY LEADING STORES AND INTERIOR DECORATORS



MR. STEPHEN BAKER

PROMINENT NEW YORK BANKER, *purchased the Pierce-Arrow pictured above in 1917. It is still one of the most important cars in his service.*



Convertible Coupe of the Salon Group . . $4275 at Buffal

Against a background of tradition and quality singular to Pierce-Arrow alone among fine cars, Pierce-Arrow presents today's concept of all that can create distinguished motoring . . . Styled and engineered for those influential groups who have approved Pierce-Arrow for 30 years, and whose preference stamps anything as the finest of its kind, the new Pierce-Arrows are don with characteristic finish and finesse . . . Pierce-Arrow confidentl looks to these, the finest cars it has ever produced . . . the ver pinnacle of fine car values . . . to extend still further the hig position with which it has been honored by two generations

Twenty-nine New Models . . *with Free Wheeling* . . from $2685 to $6400 at Buffal

PIERCE-ARROW

(Custom-built Models up to $10,000

Scalp troubles? Loose DANDRUFF?

Read letters below—

they tell much better than we could the amazing results accomplished by Listerine in treating scalp disorders.

MEN and women are constantly writing us of the beneficial effects of using full strength Listerine on the scalp and hair, either as a part of the usual shampoo or independent of it. In many cases they report that Listerine brought relief from scalp troubles after other methods of treatment had failed.

The letters below, selected from many hundreds, show a number of uses to which Listerine has successfully been put. The value of this safe antiseptic lies primarily in its ability to destroy germs almost instantly, and therefore combat infection. At the same time it is soothing and healing to tissue. Lambert Pharmacal Co., St. Louis, Mo.

Relieved Itching Scalp

My husband and I can't find praise enough for Listerine. It sure is wonderful. For months he was troubled with dandruff and his scalp itched him terribly. He'd come home from work so grouchy, that you could hardly speak to him and he'd always say "How can I help it? My scalp itches so badly that it nearly drives me crazy, and I have so much dandruff that I'm ashamed to be seen anywhere."

One of our friends advised him to try Listerine. At first he laughed but I finally persuaded him to try it. He did and with such wonderful results the first time he went right to the druggist's and purchased a large bottle. He has been using it regularly once a week, and I can truthfully say that he hasn't a bit of dandruff, or noticed any itching of the scalp since he's been using it.

(Signed) MRS. VIRGIL HILLBIG
Newport, Kentucky

Ended Baby's "Milk Crust"

When my infant daughter reached the age of four months, a fine film of "milk crust" commonly known as "cradle cap" formed on her scalp. I attempted to soften this film with olive oil, hoping thereby, to release it from the scalp but soon discovered that this treatment was ineffective as the "cap" had thoroughly imbedded itself in the scalp. Combing with a fine tooth comb helped somewhat but was not recommended as it tended to irritate the sensitive scalp and one had to be extremely careful of the soft opening at the top of the head. The scalp not only was unsightly but refused to respond to treatment.

Finally my husband suggested Listerine, two parts of Listerine to one part of warm water, and rinsing the baby's head with this solution.

Skeptical, I gave it a trial for a week soaking baby's head thoroughly once daily with the diluted Listerine. At the end of the week I noticed that the "crust" had almost disappeared and that the remaining flakes were quite loose and could be combed out with gentle movements. I continued using diluted Listerine for the two successive weeks and at the end of that time baby's scalp was clean. I noticed no irritation or discomfiture on her part, therefore was certain that Listerine was as harmless to infants' sensitive scalps as to adults' more hardened ones.

(Signed) MRS. MILDRED S. MACLEOD
Jamaica, L. I., N. Y.

Relieves Itching of Diabetic Patient

Early in our education as student nurses we are taught, among other important duties the Nurse should not prescribe, and also, she should be seen and not heard.

But, as regards Listerine and its valuable properties, I feel it is necessary that I be heard. If I may so express myself, I find Listerine to be the last word in securing a cooling, refreshing, and permanent relief or cure from the annoyance of not alone dandruff, but skin conditions, especially those of the scalp so often prevalent in diabetes.

A small piece of cotton dipped in Listerine and applied to the scalp, after parting the hair, not only relieves the itching, but refreshes the patient confined to bed (which automatically reacts on the general physical health) and soothes them to sleep (many times) and it entirely removes the large itching spots that occur on the scalp in the diabetic patient.

These spots often appear on the forehead, on the sides of the face and around back of the neck, bordering the hair and are visible, about the size of a quarter. They not only itch but are embarrassing as skin desquamates and falls on the eyebrows finally rests on the chest and shoulders. These irritated spots, thanks to Listerine which I always apply to the infected area, are controlled, at the same time soothed, and ultimately obliterated.

(Signed) MARY WILSON PATTON, R. N.
San Antonio, Texas

Got Rid of Dandruff

I would like to state just two of my reasons for recommending Listerine to our patients who have scalp diseases or irritations. One is that it is a permanent remover, and the other is that it is so pleasant to use, as it does not leave that unpleasant odor as do so many of the others, but leaves the hair with a soft, luxurious texture, and with a sweet fragrance. And as the scalp is, in most cases, very sensitive, we must use something that not only removes the dandruff, but that will also cool and soothe the irritations. After recommending Listerine, I find that innumerable people return to thank me for my suggestion. Personally, I believe that Listerine is the only treatment for dandruff.

(Signed) ETHELWYNE D. YKER
Registered Certified Nurse
San Diego, California

Too Much Oil in Hair

I use Listerine exclusively to correct oily and dull hair. My method is simple. Every morning I set a water-wave in my hair with a mixture of Listerine and water, using a quarter cupful of each. I dip a small, clean hairbrush in this solution, and brush the hair with it until thoroughly wet. Then I set the wave and let it dry.

By washing the brush in soapy water after using, this process serves to clean the hair and remove the oil; thus doing away with the necessity of frequent shampoos, which only aggravate the oily condition.

As the hair comes back into condition, clear water may be substituted for the Listerine solution on alternate days, or oftener.

The improvement in my hair is remarkable; it is now soft, fluffy and a bright brown, with those much-desired "high-lights"; instead of the forlorn, hair-colored mass of an earlier time. And I am always free of scalp troubles and dandruff.

(Signed) MRS. CLAIRE B. BURCHETT
Derby, Colorado







Don't miss BOBBY JONES, King of Golf
LISTERINE HOUR
Every Wednesday Night
WEAF and a coast to coast NBC network
See your local paper for time

Pride and Beauty



A charming new Spode pattern featuring a tree of birds in bright natural colors—a center design. Plated border with embossed "basket weaving" and a quaint rim decoration of grape leaves, in black—very effective against the rich cream body. A complete Service carried in open stock in all sizes.

MANNERS forbid that we lift a plate and examine it to determine its origin...yet we have all felt tempted to do so when we found some beautiful piece of china before us. Usually, of course, it's because we wish to learn where such a charming service may be purchased—but sometimes, *shameful fact*, it's because we are curious to discover whether our hostess patronizes a smart store or an ordinary one.

Your pride and pleasure in the purchase and possession of fine china will be richly enhanced by making your selection at Plummer's—an establishment known the world over for the quality and beauty of its exquisite importations and fine domestic products.

Fine China costs no more at Plummer's, and whether you wish to purchase a Service costing thousands of dollars, or some altogether inexpensive trifle—you will find here many charming patterns and pieces which are *exclusive*...not to be had elsewhere! Wm. H. Plummer & Co., Ltd., 7 & 9 East 35th Street, near Fifth Avenue, New York—256 Farmington Avenue, Hartford, Conn.—Wylie, 954 Chapel Street, New Haven, Conn.

Wm. H. **Plummer** & Co., Ltd.

Modern and Antique China and Glass

7 & 9 East 35th Street, near Fifth Ave., New York

A New World Of Enchantment

(*Continued from page* 120)

dow is effective in connection with Venetian blinds painted the wall color. Organdy, cotton net and dotted Swiss curtains are attractive trimmed with narrow shaded French ribbon.

Slipcovers, waterproof materials, of which there are many charming designs and colors suitable for a child's room, are the most practical solution for covering the furniture. If this type of material is not desired, another advisable thing is to have slip covers of glazed chintz, percale or linen, as these can be removed and cleaned. For slip covers and bedspreads, the new plaid and checked cottons are excellent with both plain and flowered materials. Following are furnishing suggestions and color schemes for a boy's and a girl's room.

BOY'S ROOM

Walls: Washable wall covering—red and white geometric design on white ground. Pale blue ceiling. Woodwork and trim—darker blue.

Floor: Black Linoleum or rubber, inlaid design in blue and white.

Curtains: White fish-net mesh, with red binding.

Furniture: Bed of simple modern design stained black with shellac and wax finish. Chest of drawers same design as bed, with white bone handles. Two benches and table painted white with blue stripe. Pads on benches and window seat of blue waterproof material welted in red. Comfortable chair and collapsible cushion covered in same. Bedspread of blue and white check with red welting. Book and toy shelves painted black.

Lighting Fixture: Ceiling—simple opaque glass box concealing lights.

Accessories: Chromium or painted wooden lamps with parchment paper hoods bound in red. Brightly colored Czech prints in red frames.

GIRL'S ROOM

Walls: Printed four tones of peach color in horizontal bands—darkest tone near floor, the lightest shade at picture molding. Ceiling, a pale peach approaching cream color.

Floor: Dark blue rubber with border design of lighter blue and white. A small hooked or rag rug beside crib or bed.

Curtains: Blue and peach plaid—a woven material, made to draw.

Furniture: Simple line bed of natural maple, finished with white shellac and wax. Bedspread of blue and white modern chintz with dark blue piping. Small chest of drawers finished like bed. One small upholstered chair covered with slip cover of blue and white flowered chintz—the same as bedspread. Small round table and two chairs painted lighter hue than rubber floor. Toy and bookshelves finished like bed and chest, with inside of shelves painted blue. Window seat covered in peach colored waterproof material. One small screen covered in wall paper design in blue and peach colored flowers with large green leaves on a white ground.

Lighting Fixture: Drum shade of parchment paper bound in blue, flush against the ceiling. Wooden or ceramic lamps in simple shapes or animal forms, plain parchment paper shades with blue bindings.

Accessories: Austrian prints of children in color framed in natural wood frames.

Once again let me emphasize the importance of developing good taste in a child at an early age. According to child psychologists very young children are susceptible to form and color combinations. But at no time must one forget that simplicity should be the keynote of the child's environment. The habit of discrimination cannot be developed too early, and the best way to encourage the habit is to give the child a lovely and harmonious room.

Magpie Corners

(*Continued from page* 118)

Recently, we saw an effective trophy niche developed in a fine old home whose great central chimney and brick oven had outlived their usefulness. A gun rack, mounted heads, and a fine collection of books on sports and gardening were given safe and decorative harborage in this potential waste space. There was even a tiny secret cupboard, thanks to the magnet latch which manufacturer "U" has designed. This latch, made of brass, closes the door with a light push; a harder push opens it.

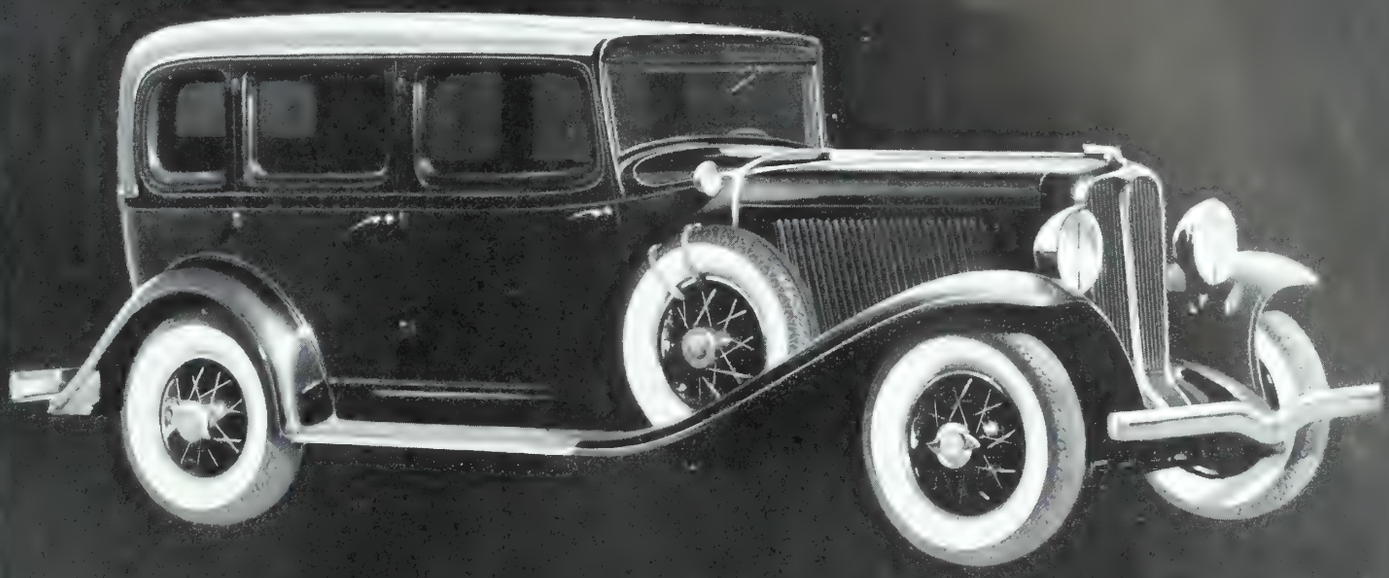
The walls had been developed of rough-surfaced wall board—a product of manufacturer "V," and the bookshelves were supported on robust iron brackets from the decorative stock of manufacturer "W." Primitive light fixtures, the offerings of manufacturer "X" cast an adequate light on this wholly satisfactory masculine playroom.

Or such a space may be developed as a book retreat, where the intimate satisfaction of his loved volumes may be enjoyed undisturbed in a roomy and comfortable chair of soft leather, for the few moments of leisure which might not be possible in a more general purpose library.

Over on the kitchen side of the wall, too, there are many uses for the space no longer needed, as a refuge from the radiating heat of the old-time wood stove. A breakfast nook may carry out the tradition of an old-time tavern with sturdy oak table and benches. Or in the mode of the 20th Century it may disappear against the wall, when its duty is done. Manufacturer "Y" has provided such an ingenious arrangement, also an ironing board which vanishes in the same efficient manner.

No one can offer a formula to his neighbor for dramatizing the waste space in his home. These factors in joyful living can only be created by the one whose life is so full of a number of things that there must be room to tuck away the treasured possession behind a front of sophisticated order.





It has remained throughout all history, the most prized of man's possessions—a Good Name! Mere money cannot purchase it, nor can this surpassing reward be had for the claiming. To be won, it must be deserved, and it can be held only through keeping faith. Five brand-new Straight Eight Models have been created, not simply for the temporary aim of excelling competition, but for the enduring purpose of adding new luster to, and wider confidence in, the good name of Auburn.

All Custom Models Have Free Wheeling

AUBURN AUTOMOBILE COMPANY, AUBURN, INDIANA

AUBURN

POWERED BY LYCOMING

Custom models 8-98A: 5 pass. 2-door Brougham $1145; Business Man's Coupe $1195; Convertible Cabriolet $1245; 4-door Full Sedan $1195; Convertible Phaeton Sedan $1345. All Custom Models include Free Wheeling. Standard models 8-98: 5-pass. 2-door Brougham $945; 4-door Full Sedan $995; Convertible Cabriolet $1045; Convertible Phaeton Sedan $1145; Business Man's Coupe $995. All prices f. o. b. Connersville, Indiana. Equipment other than standard, at extra cost.



Gaiety Rules the Waves
in the Luxury of Lloyd Cabin Quartet

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NORTH GERMAN LLOYD

The Line of Lloyd Express
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LLOYD OFFICES AND
AGENTS EVERYWHERE

A Glossary Of Pewter

(Continued from page 76)

overlooking the fact that ornament of a sort is as appropriate to pewter as to silver and porcelain. The Continental and Oriental pewterers with their superior artistic training and skill were not unaware of this.

Few English and American pewter men, if any, knew enough about decorative ornament to apply it to their pewter ware, for which the devotee of simple form loudly and sometimes ignorantly expresses gratitude. With equal emphasis does the ardent collector voice the fact that pewter is of noble and even regal lineage, and assure us that it had an honored place in palace and mansion, being relegated to the kitchen only when china came into common use in the late 18th Century. But the early pewter ware which found favor with the rich had its birth of ornamental luxury. Thus the Continent and the Orient never lost us to pewter.

Ancient: Greek, Etruscan and Roman. Many Roman dishes, plates, etc., ornamented with incised lines, dug up in Britain, the dishes sometimes 18 inches in diameter.

Art: A greater variety made on the Continent than in England and America, notably decorative pieces; rose-water ewer and basin, guild tankard, standing cup and various bottle and pitcher forms. Large nails or pins, usually used for safety-pins, and stud for decorating leather.

Art Nouveau: Vogue for pewter revived in France by Jules Brateau, etc., 1890-1910 in the restless curving outlines peculiar to the style.

Assay: Small articles—spoons, etc.

Bowl: Two-handled type in common use throughout France, Netherland, and England. Bowl with wing handles for broth and soup, especially Swiss.

Box: Many uses—herb, patch, pepper, pounce, powder, salt, snuff, spice, sweet, tobacco, etc. Many forms—cylindrical, rectangular, cut-or-shaped corners. Lids—flat, domed, shaped like body; with or without finial; often decorated. Excellent workmanship on Dutch, French, and German snuff-boxes.

Chinese: Pewter probably a Chinese invention, doubtless as old as bronze and as skilfully worked. Forms follow those of bronze through the different periods. Traditional shapes retained for over 2000 years. Many Ch'ien Lung (1736-96) pieces beautifully ornamented—engraving, chasing, lacquer, painting gilding, jewel work; brass and copper inlaying; the alloy varied with respect to the integrity of the material. Jade often decoratively inlaid. Temple and palace garnitures; pair of pricket candlesticks, pair of flower vases and sacrificial urn or jar with handles, frequently elaborated with extremely nice moldings and with a keen discernment of the type of form and ornament suitable to the rich malleable quality of the metal itself. Charming floral and foliage decoration, either engraved or inlaid with brass, on bowls, trays, tea-pots, jars and boxes. Carved horn cups, pewter lined. Many 19th Century candlesticks, lamps, rose jars, cups, trays and ornaments procurable. Large pricket candlestick with deep dish, like grease pan, midway on the stem; others with pierced stems forming Chinese characters.

Continental: Pewter made on European Continent; often called European in England. The metal usually softer than English, frequently inferior and generally without hammer-marks on under side. Some French plates, however, beautifully hammer finished. Mid-16th Century generally used in well-to-do homes. Traditional shapes retained for long periods because the costly molds were preserved. Two distinct classes—decorative and useful.

Cup: Many types, from simple beaker to elaborate standing cup on baluster or other stem, double-cups, guild cups, etc. Frequently engraved or with *repoussé* ornament. Netherlands—engraved beaker typical, flaring at base and lip. *Buire*—French flagon. *Becher*—German beaker. Liqueur cups—tall and very narrow on low stem, often banded and engraved. See Cymaise.

Cymaise, ymaise, cymarre: Ceremonial vessel for civic offering of wine to visiting potentate; prize for both vanquished and victor at shooting match. Notable 14th-16th Century French and Flemish examples, elaborate turned work with swing handles decorated with arms of the town, etc.

Dutch: Flemish and German influences; styles follow silver design. Rare in 14th and 15th Centuries; later in common use. Many articles pictured in paintings by Rembrandt and others. Rose and Crown mark frequent. Broth bowls—porringers, tea-pots, tea-urns, sugar box or bowl, coffee-pot and ink stand typical. High domed lids characteristic. Ewers and basins long made in older styles. The Rococo type a favorite, as in Germany. Articles similar to Flemish.

Ecclesiastical: Ampoul or *ampulla*—for incense or oil, *ampiona*—large vessel for wine or water, *benitier*—for holy-water, baptismal basin; *burette*—cruet, candlestick—pricket type for altar, chalice; *chrysmatory*—for oil, paten, shrine lamp.

Escuelle or *escuelle:* French broth bowl; covered, with two horizontal ear handles, frequently ornamentally outlined and pierced. A common Continental type. Beautiful decorative French Renaissance and later examples.

Ewer and *basin.* French—*aiguière et plateau,* for water or rose-water, elaborate Renaissance and later designs decorated in *repoussé.* Large ewers—classic ovoid or helmet shapes.

Flagon: Drinking vessel; often covered, resembling tankard but smaller, like later stein.

Flemish: Important occupation 14th Century and later, at Ghent, Mons, and Bruges. A guild at Ath, 1328, and Bruges, noted for porringers and flasks. Mons marked its wares as early as 1467 with a crowned hammer and the word *fin.* If spun—turned on lathe—with a castle and the town arms. Shapes similar to both French and German. 18th Century—notable for tea and coffee-pots, especially urns. Chandeliers made similar to the widely exported brass examples, occasional Dutch type with

(Continued on page 136)



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A Glossary Of Pewter

(*Continued from page 124*)

large graduated balls on stem, and pear-shaped pendants on scrolled candle branches. Frequent use of bun feet, knobs, feet, etc.

Food bottle: Tall, rectangular, flat or with shaped shoulder and small screw top having well shaped ornamental ring handle. Frequently French.

Fork: Doubtless widely used, especially 17th Century in France, rarely preserved; occasional trial piece cast by silversmith.

French Pewter—*étain*—much used in Middle Ages, especially ecclesiastical, extensively during 14th and 15th Centuries. General use for measures; one early covered type built up rectangularly of moldings, suggestive of Chinese pewter candlestick designs. Excellent church pieces—tall tankards and decorative. Decorative pieces follow silver designs and occasionally rival them as in the rose-water ewers and basins of the Renaissance, especially by Francois Briot, 16th Century. Renaissance decorative pewter became so popular that silversmiths were alarmed. Utilitarian use in pantry, kitchen and cottage until Louis XIV period, when pewter temporarily replaced silver plate melted for war. Decorative pewter continually used instead of decorative silver by *bourgeois*. Occasionally painted, lacquered, and gilded, especially in the Provinces. Gilding permitted only for ecclesiastical vessels by French guilds until 1728. *Façon d'Angleterre*—silver fashion—14th to 17th Centuries, imitated silver articles or cast from same molds. Modern revival under *Art Nouveau* influence, 1895-1900. Pewterers—*estameurs* or *layetiers d'étain*—hammermen, as in Scotland; *potiers de terre*—tinware makers, *potiers de laiton*—brass founders, *potiers de trailles*. *Maître*—test piece to qualify for rank as master. Mark—*poinçon de contrôle*, *poinçon d'auteur*; Corporate Communes—*Il—étain fin*, crowned with name of town and date, emblem and initial of maker. Rose Pewter—an old mark. See *Marks*. *Fin*—best quality, *étain ordinaire*—second, *commun*—with 15 per cent lead, *tendre*—tin with 6 per cent lead, *mazé*—poor quality, *fleuré*—English tin, 3 per cent copper and some bismuth, *trempé*—common, hard metal, inferior to *vieux plat*.

German: Pewter—*Zinn* or *Kannengiesserzinn*, in use in Middle Ages and later. Important guilds at Nuremberg, etc., 14th Century and later. Rose-water ewer and basin, *chef d'œuvre* of pewterers as in France, especially in Renaissance. Gaspar Enderlein from Switzerland, as famous as was Briot in France. Nikolaus Horchheimer of Nuremberg, masterly worker in low relief. Highly ornate pieces favored. Beaker, flagon, tankard, various drinking cups, salver, ladle used as dipper, jug, hexagonal vessel with screw top with or without spout typical. Ball thumb-pieces general. Guild tankards, elaborately decorated and crested with shields and other ornate finials, medallions frequent inside bottom of drinking vessels. *Pechkrüge*—water-tight wooden tankard, lined with pitch; appliqué pewter scroll ornament, frequently pierced. *Kaiserteller*—decorative platter, incorporating a Kaiser in the design. Mid-16th Century overelaborated ornament and gilding. Flagons with feet, common 17th-18th Centuries. 17th Century appliqué scrollwork and inlay, notable. Lamps—various. Louis XIV type favorites in coffee-pots, etc.; Louis XV, in ewers. Milk jug typically shaped like a cow, as in silver. *Art Nouveau* period, prolific, with chunks of imitation turquoise, pearl plaques, etc., inset. Pewter lids often used on modern glass and pottery tankards.

Guilds: Medieval and later periods, in France, Flanders, Germany, etc., formed to preserve a standard of metal and craftsmanship; notably at Paris, Limoges, Rouen, Mons, Ghent, Bruges, and Nuremberg.

Inlay and *Marquetry:* Occasional use in sheet and wire inlay for French Boulle work, 17th-18th Century. Sheet pewter used as foundation for elaborate marquetry.

Inkstand: Many forms and sizes; simple cylindrical pot or elaborate jar; sometimes on feet or a tray, with two or more receptacles, one for sand box. 19th Century—typically a miniature cabinet with drawers for wafers and the letters.

Italian: Excellent quality of metal, carefully made and well finished. Little used in 14th and 15th Centuries. Renaissance examples finely worked. Beautiful classic ovoid type of rose-water ewer, the surface completely covered with classic designs in relief; the basin similarly decorated. Large fonts and wine coolers, decorated or plain surfaced but with addition of some bit of classic ornament. Inkstands and other occasional pieces well designed. Renaissance sculptors' models made in pewter for goldsmiths' work.

Japanese: Composition of metal about the same as English 14th Century. Early examples imported from China. 716—possession of any pewter was a penal offense because of edict prohibiting counterfeit coin. 765-770—reign of Empress Shōtoku; pewter utensils and vessels were largely used; spoons made about 784, now in treasury of temple, Tōdaiji, at Nara. 10th Century—ornamental mounts for lacquer boxes, later for inlaying on lacquer. Articles often plain. Decoration—chased, pierced; inlaid with copper, bronze, gold, etc.; rarely decorated in relief. Pewter less used for decorative articles than bronze. Cast in clay molds, never polished, but rubbed occasionally with silk or cotton cloth, producing a patina on old pewter much valued by collectors—a gray ground with darker patches of green rust. Bowls beautifully shaped, sometimes like flowers; the handles carved in form of a pine, body decorated with plum blossoms, feet like pine cones. Openwork censers, the covers formed like written characters. Boxes, different shapes, etched with designs of flowers and birds. Modern use—mostly for candlesticks and tea-jars—caddies, with double covers, the artist's name frequently stamped on bottom. A notable caddy by Iwami, about 1500, one by Susuya, about 1800.

Jug: Vessel with handle. French cider jug. Toast and water jug, really a milk jug. See Measure.

Lighting Fixtures: Ecclesiastical—shrine and synagogue hanging lamps, altar candelabra and candlesticks,

(*Continued on page 128*)



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A Glossary Of Pewter

(*Continued from page* 126)

chandeliers. Domestic lamps, night lamps, time lamps, and candlesticks in different period styles. Italian 17th Century Baroque baluster candlesticks; lamps in the Roman style; and the classic *lucerna* supported on a vertical rod. French Renaissance candlesticks, as superb as silver, especially those by Briot; equally elegant examples in Louis XV and XVI styles; lamps, 17th Century and later. Characteristic Chinese and Japanese candlesticks. French, Spanish, and German lamps. Many 17th and 18th Century German lamps. See Flemish.

Marks or *Touch Marks:* Include name of maker, or place where made, or both. Continental pewter usually marked but with much variation and many irregularities. Arms of the town generally on Dutch, Flemish, German, and Swiss. Crowned Rose found on old French, Dutch, Flemish, German, and Swiss pewter; initials of the maker, a symbol, or date mark placed *in* the Crown or *on* the heart of the Rose; occasionally a very small impress of Rose and Crown mark. Continental—three or more initials, used as the maker's touch or mark, in the Rose and Crown mark, or imitating silver hall-marks. Device of Angel Masks or figures for maker's mark or hall-mark. Large German tankards often stamped three times. Dutch and Flemish copied English quality and hall-marks. Paris marks—*à l'usage et juree de Paris*, used throughout France. A portcullis—the pewterer's sign, usually Circular, common on French pewter. Rouen noted for its assays; a fish with arms of Rouen—a lamb, indicated that the metal was too soft. Oriental—stamped seal mark of maker. See French, Japanese, Russian, Swiss.

Measure: A sort of jug or pitcher with handle; uncovered, or covered with thumb-piece; body—cylindrical, pear—baluster shape. Lid—frequently heart-shaped to cover lip-spout. Long in general use on Continent as liquid or dry measure; various sizes. French type—cylindrical, with lip-spout projecting or raised vertically above rim. Netherlands—baluster typical, as on Channel Isles—Jersey and Guernsey.

Medieval: Pewter largely tin, known as "fine" pewter; an important craft on Continent.

Mirror: Backing of pewter frequent on glass until discovery of quicksilver.

Modernistic: Occasional use for decorative vases and statuettes. Utilitarian pieces in modernistic forms.

Oriental: Characteristically inlaid with brass, silver, etc.; beautifully engraved; *repoussé* ornament. Used to mount and decorate knife and dagger handles and sheaths of bone, etc. See Chinese, Japanese, Persian.

Persian: Typical forms; engraved and inlaid ornament. Designs—floral and foliage arabesques, birds, and human figures. 18th Century—exquisitely decorated bowls, etc.; designs—engraved and inlaid with red copper, incorporating busts in medallions, birds facing each other in pairs and arabesques as in ancient Sassanian art. Beautiful border patterns.

Poicons: French. See Marks and French.

Rose Pewter: Marked with a Crowned Rose. See note under Mark

Russian: Much English pewter imported since mid-16th Century. English, German, and Scandinavian styles. Quality varies greatly in Russian metal. 17th Century—much plate tableware used; no display piece. Solid heavy forms typical. Ecclesiastical plate, characteristically Russian in style. Articles—beaker, broth bowl, deep covered dish, round dish, pepper pot, salt, silver, snuff-box, tankard, tureen, etc. 19th Century—pewter and brass used with colored wood for inlaying. No guild records. Marks—label with or without maker's initials frequently unmarked. The pewterers Parfen Répin, Kriloff, etc., used four small punches.

Salt-box: Covered; the projecting back piece pierced for hanging; decoratively outlined.

Scandinavian: Tankards typical—body generally plain; handle, often with abrupt downward bend, generally decorated in simple relief ornament; thumb-piece—squat vase form typical.

Spanish: Little known. Certain regulations existed in 1406. Little used in 14th and 15th Centuries. Some pewter salvaged from the Spanish galleon Florentia, of the Spanish Armada sunk off the coast of Scotland—rose-water dish, powder or water flask, plates with rounded bottoms.

Spoon: Types follow old wood, brass, and silver spoons and ladles. Frequently noted in French 17th Century inventories.

Standing cup: Elaborate examples, especially 17th Century, for guilds, presentation, and decorative pieces. German, Flemish, and French examples notable. See Cymaise.

Statuette: Sculptor's models for silver; notably well modeled. Finials on decorative pieces, 16th and 17th Centuries. Art Nouveau and Modernist examples.

Styles and *Decoration:* Continental forms and ornament follow period styles as in silver, brass, etc., from Middle Ages, with many pieces peculiar to each locality in the province far from the influence of the city guilds. Elaborate and beautiful Renaissance forms and ornament continued in bolder Baroque designs until 18th Century. Rococo styles retained, 18th and 19th Centuries, especially in Switzerland and Provincial France. Continental ornament—molded in high or low relief and in the round. Thumb-pieces on covered vessels received much attention. Lids often shaped, domed, and crested with various finials. Ornament—cast, chased, engraved. Decorative revivals in Art Nouveau and Modernist styles. Oriental ornament—engraved and inlaid with other metals, especially brass and copper alloys of various color-tones, and silver whose brighter sheen added variety to characteristic native styles of decoration in the various centuries.

Swiss: Plain and ornate types. 14th-15th Century—little used. Gaspar Enderlein, a Swiss, worked in Germany, 16th Century; his work comparable to Briot's in France. 16th Century—ornate ewers, etc., of Renaissance type. Fine double cups, or marriage cups, often a wedding pres-

(*Continued on page* 130)

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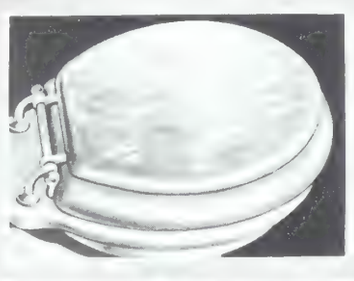
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(*Continued from page* 128)

ot to guild members. Marks compulsory—large wreath surrounding mark, coat-of-arms of canton, city and maker's mark sometimes added; small shield with 13 stars, for 13 cantons. *Biberon*—of Swiss origin, a covered bulbous flagon or jar, the spout projecting from bottom. Child's *biberon* or covered pap cup, with spout set higher—Bernese type. Much plain pewter. 17th Century—plate with edge outlined with a group of lines; occasional coat-of-arms engraved on rim. 18th Century—rim built as broad as center, flat, or curved from edge to edge; plates and dishes with five-lobed rims, also a wavy gadrooned edge peculiar to Switzerland. Deep Tyrolean dishes with engraved rims and coat-of-arms in *repoussé*. Bowls on feet with swing handles and lid—soup or broth bowls. Louis XIV type of ewer favored. Rococo plate popular, chocolate-pots, tureens, sugar bowls, plates, and especially baluster stem candlesticks. Many pieces of local character. *Wallisserkanth* or *Kantli*—covered flagon. Hexagonal screw topped cans.

Trifler. Maker of trifles—small objects, spoons, forks, toys, etc.

Wall-lavabo or *Wall fountain*. For washing hands, many types; the reservoir with faucet; varied in form in different periods; fixed to wall, on brackets, or on stand, convenient to fill a basin. Early 18th Century—French examples of brass and pewter.

Grading Around Trees

FILLING in around trees, especially in the case of grading operations, is nearly always incorrectly done. Many are killed every year because the grade around them has been raised without taking proper precaution to preserve the food and moisture to which the roots are accustomed. Many trees are so weakened by this that they are subject to every disease that comes their way and eventually succumb. The reason is diagnosed as blight, borers or insect infestation, although these conditions were brought about originally because of the fact that the tree was weakened by improper filling in around the root area.

Some trees, such as the Locust and Catalpa, will stand a great deal of maltreatment in grading and not react badly, while others, like the Maple, Oak, and Linden, can not stand the shock at all. The Maples and Lindens must have their roots near the surface. The evergreens do not like to be covered too deeply, but will not react as badly as the Maples. But taking the trees all in all, the grade around them should never be changed unless it is properly done.

Filling in over the natural root area of a tree does two serious things; it changes the normal soil water table and smothers the roots, shutting off their natural food and moisture. As a grade is changed and made higher, the water table rises with it and the roots below suffer from lack of this moisture and air which they must have.

If it is necessary to make a fill of any considerable depth (say, for example, three feet) most people just build a wall in a circle around the trees, carrying it out from two to six feet from the trunk, and feel that the job has been well done. As a matter of fact, on a Maple tree two feet in diameter, the feeding roots are never closer than five to six feet from the trunk; only a very few roots come this close. A tree of that size will have a spread of perhaps forty to fifty feet, and most of the fine feeding roots will be out near the root tips, in a circle about equal to the spread of the tree. Therefore, the well that is built in a six foot circle around the stem can do very little good.

These wells are dangerous and unsightly. Even a few inches of fill is dangerous, unless it is done an inch at a time. Where it is necessary to fill over six feet, unless the trees are exceptionally fine, one had better consider their removal entirely.

Where trees are worth while and cannot be lifted to the grade because of their size, the filling should be done as follows:

Build a dry wall in a circle (no cement), about a foot away from the tree trunk. This will give room for growth for many years. It must be well laid without a foundation, as you cannot dig into the ground at this point because of the large root, which must not be cut.

After the wall is built up to the height of the finished grade, start filling in back of it with large stones about the size that a man can lift, or a little smaller, out to and a little beyond the spread of the branches; the farther out the better. Bring these stones up to within twelve to fifteen inches of the surface; then fill in the spaces on top of them with smaller stone, which will help level the surface. After this is done, lay a mat of peat moss two inches deep over the entire area, being careful not to let it drop into and stop up the air spaces between the stones. This peat will act as a wick and hold the moisture.

After that comes the top soil up to the finish grade. Insert from four to eight pieces of pipe, about four inches in diameter, down into the stones in different places around the area under the spread of the tree. These will carry down the water and air, and as we have a dry wall around the tree and spaces large enough between the stones, the air will circulate all through them and the pipe will carry the water and air down. This can be done at very little cost and save the trees and get rid of a big ugly well hole.

—M. L. CONDON

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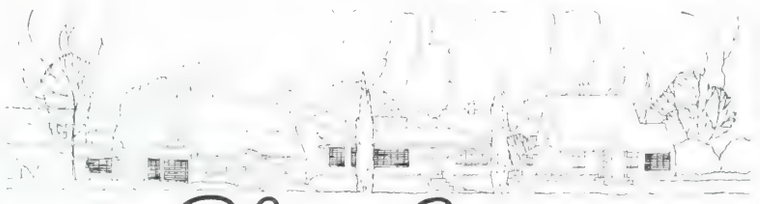


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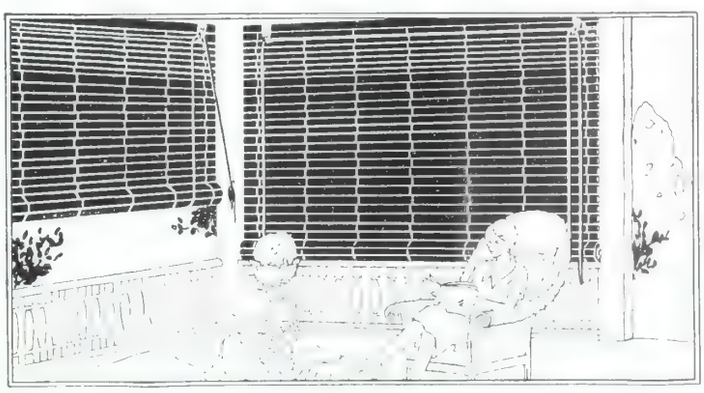
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Desert Comes To Decoration

(*Continued from page 75*)

gray-green leaves and its dull vermillion flowers, as shown in the print on page 75. This material comes in vigorous desert colorings. One number is printed in three tones of brown and two of orange upon a tan ground, while another is blue-green, yellow-green and orange upon a pale Nile green ground, and still another, yellow, gray and brown upon a chartreuse ground. This fabric would be delightful as curtains, coverings for chair seats, or as wall hangings.

Opuntia Cactus, with its yellow and blue-green leaves and its brilliant red and yellow blooms forms the design of a new hand-blocked linen. A small spiny Cactus plant and the sun arranged in a modernistic stripe pattern, inspired a new printed voile in shades of yellow, green and tan with rust, peach or Nile predominating, the whole design having delightful rhythm of straight and diagonal lines. Still another fabric has for its motif the vanilla-flavored flowers of the night blooming Cereus; cream blossoms tinted with deep green and blue-green leaves on a black ground. It also comes in tones of brown, tan, and dull orange and a bit of light turquoise blue.

Wall papers in designs inspired by the desert are a delightful and new note in interior decoration. I found a charming Salubra paper in horizontal cloud lines of blue, blue-green and gray lavender that would be an excellent background for a room using the print of the night blooming Cereus design. It is a purely abstract pattern, but suggests the cloud effects so peculiar to our Southwest which have often been depicted by the Indians in their own designs.

Another unusual wall paper called "Sand," because of its simple lines and dot pattern, has a pale tan ground and dull-orange lines and would serve as a charming background for any of the fabrics mentioned. There are other wall paper patterns derived from Palm leaves, Magnolias and small Cacti in pots, which suggest the influence of the desert upon modern designers. Yet the possibilities are far from exhausted. A striking wall stencil of Edith Hamlin gives an idea of the broad scope of these desert motifs. Here the wax-white Yucca dominates the scene, which includes blooming Cacti of several varieties, Echeverias with pale green and lavender tinged leaves, Aloes, and desert animals including the rabbit, the squirrel and the quail. As a background, the low horizontal mounds of sand and the distant clear-cut purple-blue vistas of mountains give a scenic quality worthy of enlargement as the complete decoration of a room, either as a mural or adapted to a scenic wallpaper.

If American wall paper manufacturers, following the excellent example of the fabric designers, would create such a paper for the present day market, it would be one step further towards the establishment of American supremacy in the field of modern industrial design. Robert Locher has already used the desert motifs in delightful wall decorations of New York homes and more recently in a ballroom of a hotel in Cuba.

The Formal French Manner

(*Continued from page 91*)

too often hackneyed, the houses illustrated will lend themselves to a treatment not distantly related, yet with a refreshing tang. If plaster be used it need not necessarily be white or yellow ochre, but pale pink, green or blue will enliven its morale considerably. Instead of plaster, flush siding would give an interesting texture, with window trim moldings painted a slightly contrasting color to the wall itself. In France where grapevines are grown on lattice against the houses, the light walls take on the color of the copper sulphate solution used in spraying the vines. Instead of being a disadvantage it seems rather a colorful asset, particularly in the winter when that shade of green is so deplorably lacking in nature.

The roof pitch need not be steep on the formal French house—which is another way of stating that it will not be expensive. It can appropriately incline at about the same angle as that used on our town typical Southern Colonial residences, if the remainder of the house be designed accordingly.

Style Trends In Decoration

(*Continued from page 68*)

THE CHINTZ OF YOUR CURTAINS. If you have any violent complex against chintz now is the time to gracefully forget it, as this threatens to be the greatest chintz season on record. Classical patterns, due to interest in things Empire, Directoire and Biedermeier, are uppermost. Smaller, more delicate effects seem to have replaced large patterns, particularly French classical and floral designs in light, soft colors.

Grounds are either white or in some definite color as opposed to the neutral and tan effects that have been with us so long. Dark grounds continue to be favored—very dark green, cocoa color, raisin and the lacquer and Pompeiian reds. Blue continues to grow in popularity and brown is extremely good. A new development is chintz designs printed on low-lustre rayon. This gives a more formal, sophisticated appearance than the glazed cotton fabric, but lacks the crisp freshness that is so charming a part of the latter material.

Sources for the merchandise mentioned above may be had by writing to the Reader Service of House & Garden.



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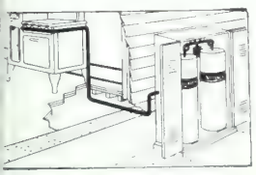
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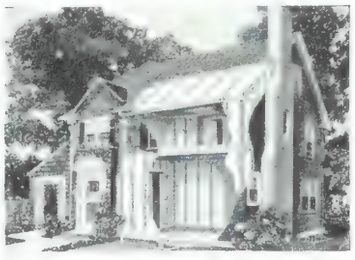
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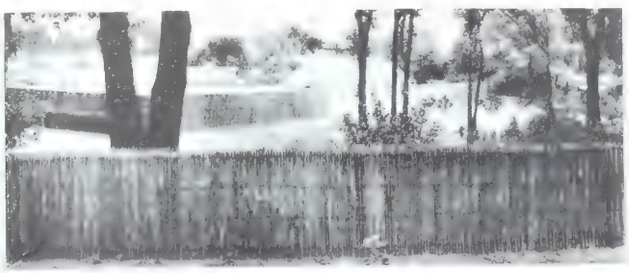
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Recent Developments In Building

(Continued from page 85)

may be decorated with cold water paint without losing its sound absorbing efficiency.

Furnished in standard units from six by 12 inches to 12 by 36 inches, a choice of two surfaces is given, "sawed" and "sanded," and two finishes, "beveled" and "squared." The color is a rich, natural brown. A very pleasing decorative effect can be obtained with a light all-over spray of cold water paint. Stencil designs also appear to advantage.

FIREPLACE BAR

IN appearance a well-designed fireplace, in reality a capacious, fully equipped refreshment bar for serving tasty drinks or a buffet repast—here is an accessory to modern home entertainment, only recently introduced, that is gaining much favor. Appropriate models suited to the various decorative periods have been provided, each custom built of five-ply walnut. Transition from fireplace to refreshment bar is a simple matter, causing no injury to wall or floor, nor any disarranging of the room. Containing drawers and compartments, the unit is electrified and has a stainproof top.

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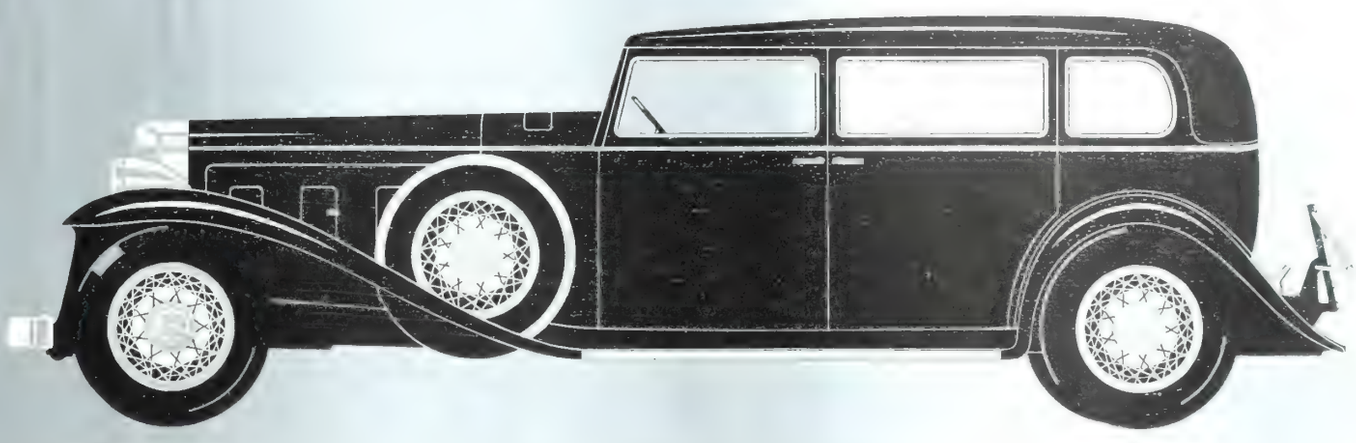
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Lovely Children of the Sun! Hardy, Easily Grown—Give Years of Pleasure!

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(Choicest, hand picked Mammoth bulbs)

Regale—Rose Lily. Clusters of fragrant trumpet blooms, pure white outside, rich rose color inside. Bulb 1.50

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100 Glorious Gladioli!

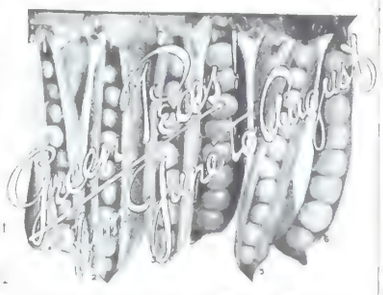
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MAX SCHLING SEEDSMEN, Inc.

Columbines Lend Airy Grace

(Continued from page 97)

source, and even then the unexpected must sometimes be expected. It is this easy marrying proclivity, of course, that has made the Columbine such plastic material in the hands of the hybridizers.

In the garden borders Columbines like a rich, light soil, one that does not cake in wet weather, yet in which is incorporated enough humus to hold a certain amount of moisture. It is not generally realized how cruelly Columbines suffer during dry weather. They should always be freely watered during any periods of drought. My neighbor across the way grows them in great quantity and supremely well; he keeps them blossoming nearly all of the summer by removing promptly every spent blossom.

Many fine strains of long-spurred Columbines are on the market today and while these are unquestionably the most beautiful, some of the short-spurred forms of *Aquilegia vulgaris* in good clear colors have a certain quaint attractiveness which makes them worthy of inclusion in any garden, though they should not be placed in competition with the beauties of modern invention. A very beautiful old white Columbine is known as Munstead White (syn. *alba grandiflora*). It grows from eighteen inches to two feet tall and a planting of it at the edge of a woodland path, or in a herbal border among Foxgloves, Striped Grass and Cowslips is well worth the making.

North American species Columbines and they are the loveliest that the world has to offer. One kind or another is to be found in almost every state in the Union, and it has long been a candidate for National Flower. Some of the beautiful western species that would grace any garden or rock garden are all difficult to come but the state of affairs is being rapidly remedied through the efforts of collectors. The cheerful red and yellow blossoms of *Aquilegia canadensis* flutter over rocky wooded hillsides from Canada to the Carolinas and westward to Texas and Arkansas, up through the Central West and out to the Dakotas. There are numerous forms of it, slightly varying the Eastern theme.

THE REDS AND YELLOWS

One of the best is *A. elegantula*, from the mountains of Colorado, Arizona and New Mexico. A miniature form is known as *A. jonesii*. It has recently been given a place in my rock garden and looks diminutive enough so far. Red and yellow is a favorite color theme among American Columbines. One of the prettiest to wear it is *A. Skinneri*, from the mountains of Mexico, a beautiful and distinct plant, quite hardy in the neighborhood of New York if given a light sharply drained soil and a protected situation. It grows from one to two feet tall, the flower nodding, the sepals greenish yellow and the pale red spurs very long and straight and gently tapering. Red and yellow also is *A. truncata* (syn. *eximia* and *californica*), the tall handsome species found in the foothills and river bottoms of the Northwest. Its sepals are smartly spreading and the spurs of medium length; it grows nearly three feet tall and makes a handsome border plant.

Aquilegia formosa is found in the mountains of the Southwest of Colorado, New Mexico and Arizona where it is said to haunt deep ravines. This is one of the finest of all Columbines, both from the standpoint of border fitness and of personal appearance. It is a striking beauty, carrying its streaming blossoms with incomparable grace and continuing to flower almost throughout the summer. It is hardy, longer lived than most Columbines, tall and stately—at its best it grows to be three feet tall—and is altogether one of the most wholly satisfactory of the border plants. And it appears to come quite true from seed. Its influence is felt in many of the modern border strains. Crossed with *A. caerulea* and *A. vervaena*, such fine strains as *Haylodgensis* and *Jaschi Hart* have resulted.

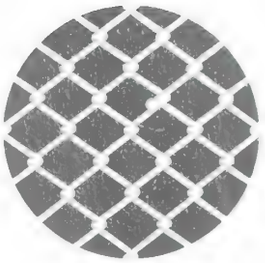
ROCKY MOUNTAIN COLUMBINE

Of course the beauty among American Columbines, perhaps the loveliest in all the world, is *A. caerulea*, known as the Rocky Mountain Columbine, the state flower of Colorado. The beautiful, erectly carried flowers are deep blue, the long and tapering spurs are a paler blue, the laminae white. It is daintiness personified, yet full of character. Though found in most of the Rocky Mountain states it is said to reach its highest development in Colorado. "There among the aspens, spruces and firs, it is not uncommon to see a hillside meadow so completely covered with *Aquilegia caerulea* as to hide all other vegetation and to make it seem a fairyland of huge dancing blue and white stars." This quotation is taken from *The North American Species of Aquilegia* by Edwin Blake Payson, a Bulletin of the U. S. National Museum, free to all who apply for it, which gives a very comprehensive idea of our Columbine wealth.

Sadly enough, it has to be admitted that the enchanting *caerulea* is a churlish and somewhat nutty plant in eastern lowland gardens. It comes readily from seed which is easily procured fresh, but even the consideration of acid soil and a hillside situation in the rock garden—considerations that should satisfy it, not to mention the prayers of the devout—are not enough. It seldom tarries long. But to have it bloom in your garden for even one season is an experience not easily forgotten, a memory to be cherished. And when it takes wing and is gone, one feels that it was more spirit than flesh anyway more of another world than this. Happily, however, there have been children born of this ethereal beauty that are more earthy. *Aquilegia* Mrs. Nichols is a sturdy *caerulea* that may be enjoyed with a minimum of anxiety, and there are other hybrids as well. Thompson & Morgan of Ipskll, England, offer the seed of Mrs. Nicholls and also of a pink-flowered form.

(Continued on page 142)





"I know they will survive this year"

"IT certainly is a relief to know that my flower beds will survive this year. Before I had this Anchor Fence installed, I was driven almost crazy.

"In the Spring I would plant my flower beds. That seemed to be the signal for deliverymen, neighborhood pets and children to start trespassing on my property. The result would be a sorry looking garden.

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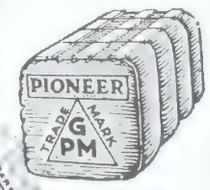
ANCHOR FENCES

SOIL Texture absolutely controls plant growth

While plants and flowers depend upon a number of elements, soil texture *regulates* the functioning of them all. Soil texture, or its physical condition is the very *life* to plants.

With proper soil texture, plants breathe, secure their food, find correct conditions for root development—expand, grow. With improper soil conditions (sand, clay, inadequate humus) they wither and die or are poor and spindly. Poor results are usually due to improper soil conditions more than to lack of fertilizing elements, because correct soil texture is absolutely necessary to make the fertilizing elements available.

Give your plants the chance to grow a strong, virile functioning root system by conditioning the soil with G P M Peat Moss this spring. This organic matter contributes active or "live" humus to soil over a longer period of time than any other substitute medium. But, be sure it is G P M you buy. If all peat moss was of as high quality as G P M it wouldn't make any difference which you used; but it isn't, so be safe. In one and only one peat moss can you expect the best returns at least cost. When you use G P M your flowers and lawn will grow as never before. Let us tell you more about this. Get our literature and prices.



PEAT MOSS

Regulates Soil Texture

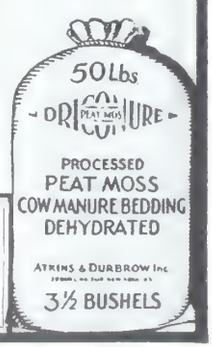
MAKES POOR SOIL GOOD AND GOOD SOIL BETTER

DRICONURE (PEAT MOSS)

A REAL BEAUTY FOOD FOR LAWNS AND GARDENS

A healthy looking garden is always beautiful—but—health *only* comes from the *right* kind of food. DRICONURE is Nature's Own Fertilizer—contains all the vitalizing elements of deodorized fresh cow manure, and peat moss in readily available form. Nitrogen for foliage and growth; phosphoric acid for stimulating flowering and fruiting; potash for building tissue . . . in fact DRICONURE just "teems" with life-giving organisms so necessary to plant life . . . and it gives lasting effects that carry over a much greater period of time than the average fertilizer.

But better still, DRICONURE is really an old friend in a new form. It is cow manure from dairies where peat moss was used for bedding . . . specially processed. After the peat moss has become thoroughly saturated with the manure the whole is dehydrated, reduced, giving an absolutely *safe* fertilizer that will not burn, is odorless, free of weed seeds, finely granulated and pleasant to handle. Use it for top dressing lawns and in general garden work. You *know* it is safe! Driconure is a much better fertilizer!



Atkins & Durbrow, Inc.
A-25 Burling Slip
New York, N. Y.

The Garden Scrap Book

BABY DAHLIAS. European growers, particularly English plant breeders, have taken the Dahlia in hand and instead of the huge types so popular with American gardeners are developing a downward in stature and size of bloom to brilliant and easily grown bedding types. The forerunner of this series was the Coltness hybrid, now fairly well known, as easily grown as a Zinnia, coming into bloom early even when planted outside on May 1, and giving a wealth of single flowers of fair size in a brilliant range of colors.

The original Coltness strain has been greatly improved by selection so that it is now one of the finest of bedding annuals. There are quilled types resembling the Cactus Dahlias and English firms also offer for the first time a dwarf growing Peony-flowered type for which great things are claimed. This, however, is yet to be tested in American gardens.

Why not try a packet of Coltness Dahlias this year? Colors that you wish to keep and propagate may be saved, as these dwarf annual Dahlias form tubers just as do the larger types and may be kept over and divided in precisely the same way. Once started from seed the roots will be ready to set out next spring for early all-summer bloom.

They are single, from two to four inches in diameter, with good stems and have become popular for cutting.

Even the tall, giant-flowered Dahlias may be raised from seed to flowering size the same season without difficulty if the seed is started early indoors.

ESPALIER FRUITS. There are now available in this country a good selection of the trained dwarf fruit trees, or espaliers, which are so effectively grown against the walls of English and Continental cottages and gardens. Apples, Cherries, Nectarines, Peaches and Pears are all to be had in a considerable number of varieties, and there are five types of training which range from the single vertical cordon to the spreading six-armed palmette.

Whether as fruit producers or merely for unusual ornamental effect these espalier trees are abundantly worth while. Properly handled, they are entirely adaptable to American climatic conditions, either growing against walls or trained along trellises or formal fences. Very few nurserymen have them in good quality and variety, so if you have difficulty locating them, write us and we'll tell you where to go.

PAPER MULCH. In recent years there has been much interest in the use of paper mulch in the garden. This mulch consists of laying down strips of specially prepared paper impregnated with asphalt, between the rows of vegetables or flowers, the plants growing in the line between the lengths of paper.

The idea was originated by Charles H. Eckhart, a Hawaiian planter, and was first tested in the growing of Pineapples. It has been found valuable in northern gardens. It preserves the moisture in the soil, removes the necessity of cultivation between the rows by effectually preventing the growth of weeds and increases the vigor of the plants. In case of rain the water is shed between the edges of the mulch, going directly to the roots of the plants. It is sufficiently strong in texture so that it may be walked on without damage.

Mulch paper comes in two weights and two widths, 18 inches and 36 inches. The lighter weight is best for small gardens, and the heavier for larger gardens and where long lengths of the mulch are to be laid.

While the simplest method of using it is between rows, spaced to accommodate the use of mulch, it is also entirely practicable to cut holes in the paper at any intervals desired and to transplant into these spaces. In such cases the mulch surrounds the plant on all sides, leaving adequate space for water to reach the roots. Holes four inches in diameter are usually advised for this purpose.

If carefully handled the paper may be taken up in the fall, dried and stored away for use another season.

VINES FROM SEED. Vines grown from seeds are usually preferred for providing shade quickly because some of the best of them are annuals and may be removed in the fall so that the sunshine may be enjoyed during the winter months. It must be borne in mind, however, that vine seeds may be planted and germinated successfully only in warm soil. If sown when the soil is cold they will rot without germinating.

A few of the quick growing vines include Ipomoea Heavenly Blue and Ipomoea Bona Nox, commonly known as Moonflower. Sometimes the seed of Ipomoea Bona Nox is difficult to germinate. This is because the micropyle (the little gate through which moisture enters the seed coat) is very small; to facilitate germination, file a small opening in the seed so that moisture may have easy access.

In the sub-tropic sections of the West the Australian Pea Vine is a perennial which provides good shade and produces very handsome flowers. A choice ornamental vine and one that may be intermingled with others to enhance their beauty is *Cobaea scandens*; plant the seeds of this on edge.

The common Morning Glory or *Convolvulus major* is a quick grower and provides good shade. It should not be confused with the perennial Morning Glory, which is considered a pestiferous weed.

Other vine seeds are Wild Cucumber, Balsam Apple, Japanese Hop, Scarlet Runner, etc.

MODERN ZINNIAS. The Zinnia, since our grandmothers knew it, has undergone remarkable changes. By seed breeding and plant selection it has been increased in size and changed in form. Today it has such a variety of forms that it has become one of the most popular garden flowers.

For example, there are the Giant with the high centers and the over

(*Continued on page* 148)



You can have miles of beauty in a few acres

WHY put up any longer with a neglected woodland full of unsightly dying trees where a few sparse wildflowers struggle among impassable briars? Let selective cutting, the Bartlett Way, prepare your woods for a perfect wild garden.

Here Nature's intimate masterpieces of beauty will grow and change through the seasons in a shifting pattern of constant charm. Here are values which go far beyond "dollars per acre"—values which add incomparably to the richness of living and to the completeness of your personal setting.

Even within a small acreage Bartlett dendricians contrive miles of winding paths with unexpected vistas disclosing beauties which exist in every woodland; perhaps a stream, pool, huge moss-covered boulders, or giant tree trunks with a riot of colorful wildflowers—a veritable sanctuary for songbirds and woodland creatures.

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Safeguard your home's setting with a service which is backed by the famous Bartlett Tree Research Laboratories.

Many orchids and rare ferns may thrive in your own woods. Perhaps holly, rhododendrons, kalmia, wintergreen and partridge berries, intermingled with wild azaleas at one time grew beneath your splendid trees, and may be restored—Bartlett men know.

If you will 'phone the nearest office a representative will gladly discuss at your convenience and without obligation the possibilities offered by your woods.

Attractive literature on selective cutting the Bartlett Way supplied on request.

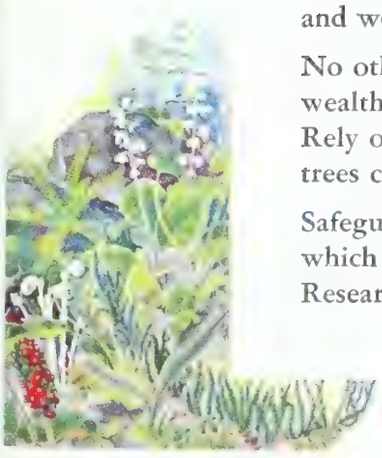
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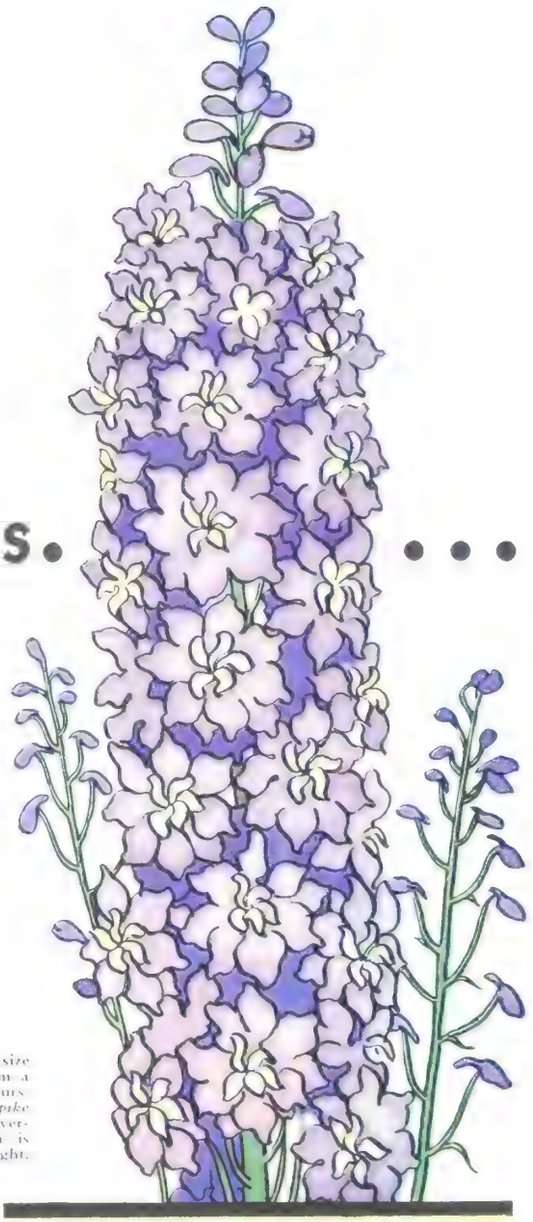


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Operating also the Bartlett School of Tree Surgery and the Bartlett Tree Research Laboratories

Delphiniums. . . .



This shows the actual size of a *single flower* from a spike grown in our nurseries at Madison. The *spike* illustrated is about ½ average size. The growth is from 4 to 6 feet in height.

IF you are not acquainted with our Delphiniums, a treat is in store for you. Genius has been defined, as "a capacity for taking pains," and if you could have followed our experts all summer, and noted the infinite care and patience exercised in the selection of our named varieties, you would then see why our Delphiniums lead the world. No expense is being spared to keep up the high standard.

You cannot afford to miss these gorgeous flowers. Place your order early in the spring, so we can guarantee complete satisfaction.

SPECIAL OFFER

We illustrate on this page, our newest Delphiniums, a giant strain imported from England. We believe we are the only growers in America offering this stock. Strong, sturdy, field-grown clumps, of blooming age. 10 different, as illustrated, or your own selection.

10 for $25.00

BLUE DARLING. Very light blue, tinge of mauve in upper petal. Black center, shaded with gold. MILLICENT BLACKMORE. Medium blue with violet mauve flush at mid center. JAMES W. KELWAY. Clear bright blue and deep navy, an finest white center. MRS. NEWTON LEES. Medium clear Cambridge blue, distinctive fair center, on tall stalk flower. VIOLET ROBINSON. Dark, rich purple tipped bright blue with center. Shaped with petals. SIR DOUGLAS HAIG. Medium clear deep navy blue, dark center. DUSKY MONARCH. Deep purple, dark center. PURPLE GLORY. Rich purple, white eye. Double, cup shaped flowers, nicely placed on tall, stately spikes.



MRS. A. L. WATSON (Actual size) Double soft blue inside petal, with mauve tips, striped black center.

MILLICENT BLACKMORE

SIR DOUGLAS HAIG

JAMES W. KELWAY

DUSKY MONARCH



LADY GWENDOLIN (Actual size) Another lovely sky blue with a glow of violet back of the large white center.

PURPLE GLORY

BLUE DARLING

MRS. NEWTON LEES

VIOLET ROBINSON

Totty's

MADISON, NEW JERSEY



Totty's, Desk H-4, Madison, N. J.

Gentlemen:
Enclosed find $_____ (check or money order) for which send me _____ collections of Delphiniums at 10 for $25.00. (If you wish to make your own selection, attach memorandum to this coupon).

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Cyclone Fence

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The same is true of Cyclone Fence. Through originality and outstanding craftsmanship, Cyclone produces fence of distinctive individuality and value. To the discriminating buyer, therefore, there is only *one* genuine Cyclone Fence.

Yet the surprising fact is that Cyclone Fence costs no more — even with its superior quality, design and workmanship. Only Cyclone, with complete control of raw materials, manufacture and installation, can build a fence of such high quality for the price.

Cyclone Fence looks better and lasts longer. Erected by trained Cyclone men. We help you plan your fence, and will submit an accurate cost estimate. Literature sent on request.

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Cyclone—not a "type" of fence—but fence made exclusively by Cyclone Fence Company and identified by this trademark.

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General Offices: WAUKEGAN, ILL. Branch Offices in All Principal Cities

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LIGHT rolling of the lawn with each successive mowing conserves the spring moisture and helps to control dandelions and other lawn pests. The combined operations produce a smooth surface and velvety finish to the turf.

THE COLDWELL POWER LAWN MOWERS AND ROLLERS perform the two operations simultaneously . . . producing the finest possible results with a minimum of labor and expense.

There is a wide range of sizes with varying capacities. Each is extremely simple and economical to operate. . . . Dependable and fully guaranteed.

Let us arrange for nearest Coldwell distributor to demonstrate on your own lawn.

Full particulars on request

COLDWELL LAWN MOWER COMPANY, Newburgh, New York, U.S.A.

DEPENDABLE

Columbines Lend Airy Grace

(Continued from page 138)

In my cold frame I have a few plants of *Aquilegia coerulea albiflora*, a white flowered form of the Rocky Mountain Columbine, the seed of which was sent me by that ardent collector and gardener, Mr. Ben Johnson of Utah. Whether it will prove as captious as *coerulea* only time will tell. This species is said to have a more western range than the type, spreading out through the mountains of Wyoming, Nevada, Utah and Idaho. Other American species that would undoubtedly prove interesting could we procure the seed are *A. flavescens*, sometimes considered a form of our eastern *Canadensis*, which ranges the mountains of the Northwest, *A. Truttii leptoceras*, a Southern California species of curious structure, and *A. longissima*, a yellow-flowered species allied to *chrysantha*, but with extraordinarily long spurs, said to flower in the autumn. This would indeed be an addition. It grows in the mountains of Texas and Mexico and possibly might not be hardy in the North. Of this species the *Standard Cyclopedia of Horticulture* says: "The seeds must be obtained from the wild plants as those cultivated usually fail to produce seed." But where are we to procure the seed—any at all? Up to this time I have never seen it offered.

FOREIGN SORTS

Foreign born Columbines are many and captivating. Most of them are mountain plants and the safest place for them is in the rock garden. My favorite, because it is easy to grow as well as charming, and moreover comes true from seed, is *A. flabellata*, a squat little Japanese with shallow waxen blooms the color of thick cream with round lilac sepals and bluish foliage of substantial texture. It grows only a foot tall and there is a somewhat dwarfer form known as *A. f. nana*. Of *flabellata* Mr. Farrar says: "It is perfectly easy, sure, permanent and true,—a neat and tidy species early blooming and of special loveliness." So I have found it. *A. Helenæ* is the result of a marriage between this fetching Japanese and our lovely *coerulea*—a substantial gift of generous gods, this, to the rock garden, repeating the exquisite color and the grace of its American parent and inheriting the good constitution and solid virtues of its Oriental progenitor.

Aquilegia alpina is a splendid European species but it is almost impossible to get it true from seed. "The flowers dancing high on airy stems are of enormous size, most exquisitely and daintily balanced and of a soft melting blue quite impossible to describe—a color deep yet gentle, brilliant yet modest, perfectly clear and yet not flaunting." Thus Mr. Farrar. High praise and doubtless deserved but I have never been able to realize this beauty in my garden. Over and over again I have purchased seed from the most reliable sources, and plants too, and always a dingy stalwart with distinction or grace has been my ward. More success has been met w in the pursuit of *A. pyrenaica* wh graces the rocks and debris-str slopes of the French and Spa Pyrenees. The stem of this species r reach a height of twelve inches, v slender and almost naked, and car two or three fragile blue flowers good size, though smaller than *alp* is reported to be.

Another desirable mountain spe is *A. saximontana* of the woods and roc subalpine slopes of the Western Montane Alps, that bears its p clear blue flowers in a narrow pani It is reported as growing naturally "poor soil, in desperately hard stony places—often hovering in out of light *Pinus montana* scr where its vivid coerulean stars sh cool in company with the flaming s let Turks' Caps of *Lilium pomponi* waxed and glossy." What pictures Farrar calls up for our delight!

And then there is *Aquilegia gla bra*. It is among my failures—de desired but never attained. It is mittedly a difficult plant and certai lowland conditions are not to its mi Pictures show it to be a huge sta flower, flat and with short sp hooked sharply in. The color of sepals is pure blue, the laminae crea white. *A. jucunda* is almost the id tical of *glandulosa* and perhaps so what less cantankerous—though I h no great tale of success to report fr my own garden. But if there w nothing left to strive for garde would come to be.

FOR MOUNTAIN SPECIES

All these mountain species dema a cool, deep soil, rich yet shar drained, and they are grateful shelter from the roughest winds rock or a low shrub to hide behi *A. Stuarti*, a child of *glandulosa* a *A. Olympica*, is also both delicate a difficult. Those with more ingratiat conditions to offer it than can I welcome to cross swords with it. is said to be of rare loveliness, ho ever, a frail and dwarfer and m appealing edition of the gr *glandulosa*.

Once I raised from seed a qua little Columbine that pleased me v much while it lingered in my gard It had no showy qualities to reco mend it but its curious greenish flow was oddly decorative and it had a pl sant elusive fragrance—an uncomm gift in a Columbine, though *chrysantha* has it also. I am speaki of *A. viridiflora* a species (accordi to Nicholson) from Siberia. It is w worth a trial by those who love t curious and interesting in the pl world.

All this is to say little enough Columbines. There is much more t might be said. Take Mr. Correvo list and you will be intrigued to much farther with them.

"Take your choice from 60 acres!"



BRAND'S *Beautiful* PEONIES

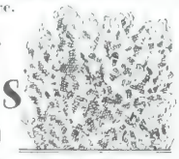
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WILSON'S O. K. PLANT SPRAY

Destroy insect pests in their early stages. Spray your flowers, plants, shrubs and evergreens frequently and thoroughly at this time with Wilson's O.K. Plant Spray to insure strong and vigorous growth throughout the season. Wilson's O.K. Plant Spray is highly effective, yet clean, non-poisonous and easy to apply. Order a supply today.

1 Quart $1.00 1 gallon $3.00 5 gallons $12.00 10 gallons $20.00.

Then there is Wilson's SCALE-O . . . the powerful *dormant* spray so necessary to the successful growth of fruit and other trees. Scale-O kills Scale insects and eggs—even in Winter. Mixes readily in cold water . . . covers very rapidly and evenly. 1 Gallon $2.00; 5 Gallons $9.00.

WILSON'S AWINC (Pyrethrum Spray) non-poisonous, highly concentrated PYRETHRUM spray. Easily controls both sucking and chewing insects of the more resistant type such as Japanese Beetle, Mexican Bean Beetle, Mealy Bug, Red Spider, Rose Chafer and Slug, Aster and Dahlia Beetle, Cabbage Worm, White Fly and many others. *Complete*, requiring only a dilution with water.

"Insects and Their Control" is the title of a new book by Andrew Wilson illustrating the various insects and scale that attack plants and trees, with directions for their control. Price $2.50 postpaid.

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100 for $20.

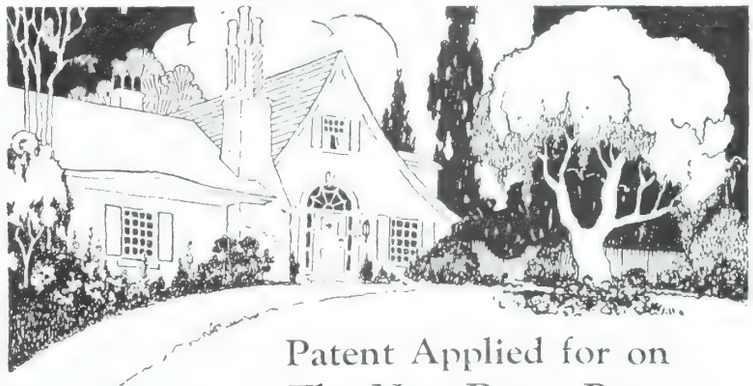
YOU'LL agree that of first importance is to definitely know about each kind of flower, the *how*, the *when*, and the *where* of right planting and care. Unlike any other hardy plant catalog, that's exactly what is given in Wayside's.

You will also agree that no matter how much you know about right planting, only quick results can be secured with good husky, first quality, full rooted, field grown plants, that are at least two years old. Just such are what Wayside sells. All first quality. No seconds.

Send for the catalog. See for yourself the completeness of the cultural directions. Make your plant selections from the largest and finest single collection in existence. Which sounds like blowing our horn a bit loud. But you will find it isn't.

Wayside Gardens
MENTOR, OHIO

Reg. U. S. Pat. Off.



Patent Applied for on The New Dawn Rose

This lovely new everblooming sport of the famous climbing rose, Dr. W. Van Fleet, is so unusual that a *patent* has been applied for in an attempt to control its propagation. It blooms continuously throughout summer and fall and strong two-year-old plants are now ready at $2.50 each.

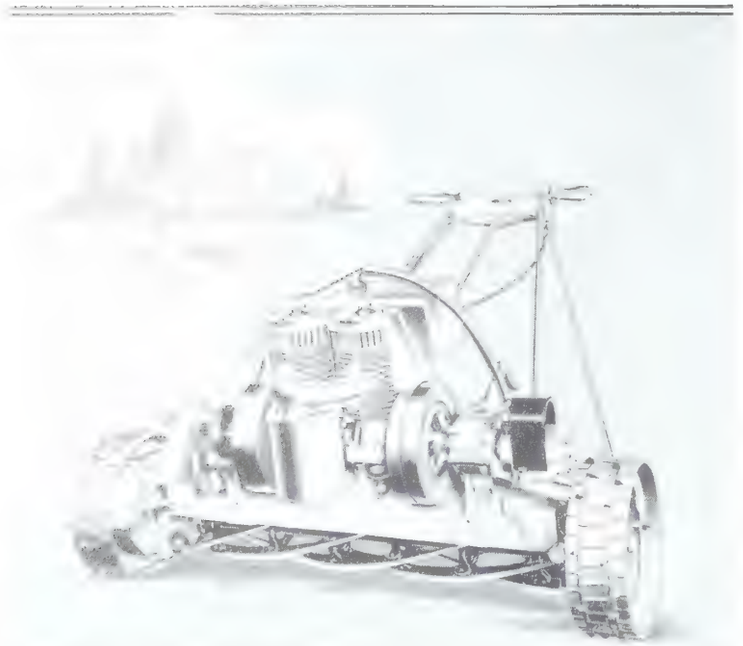
Other beautiful new hardy climbing roses are Mme. Gregoire Staechelin, $1.50; Chaplin's Pink Climber, $1.50; Primrose, a yellow rambler, $1; Thelma, $1.50; Climbing Lafayette or Auguste Kordes, $1.50.

One plant of each of the above six climbing roses for $8.

Dreer's Garden Book is invaluable to anyone who raises flowers or vegetables.

For a free copy mention this publication and be sure to address Dept. K

DREER'S
1306 SPRING GARDEN ST.
PHILADELPHIA, PA.



The NEW 32" HEAVY DUTY MOWER *with* Twin Motor

Another JACOBSEN *Achievement*

There is big acreage capacity plus economy in this new size power mower. And as usual, this new achievement is introduced by Jacobsen, pioneer power mower manufacturers. Operation is simple and easy as complete operating control is from the steering handle.

The Power Unit

The life and dependable service of any mower depends on the motor. The new Jacobsen 32" Heavy Duty Twin Mower is equipped with a twin cylinder motor with abundance of power, even when the mower is operated with gang attachments. A high compression motor, throttle controlled, firing alternately at every stroke of each piston, and equipped with the most efficient high tension magneto available, it develops unusual power.

Two Speed Gear Transmission

The New 32" Heavy Duty Twin is equipped with a two gear speed transmission. High gear for ordinary cutting and low for exceptionally heavy grass and grades. Other exclusive features include auto type differential for easy turning around trees and shrubbery, fully enclosed traction gear transmission running in oil, and many other features which place Jacobsen above all competition.

Cutting Capacity

This new mower cuts a 32" swath with sulky and a 66" swath with sulky and gang mowers. Sulky and gang come as extra equipment. In terms of acres the mower without gang will cut 1¼ acres an hour and 2½ acres an hour with gang consisting of two extra 20" side units. Here truly, is something new in power mower design, and operation. Especially adapted for large estates, parks, cemeteries and school grounds.

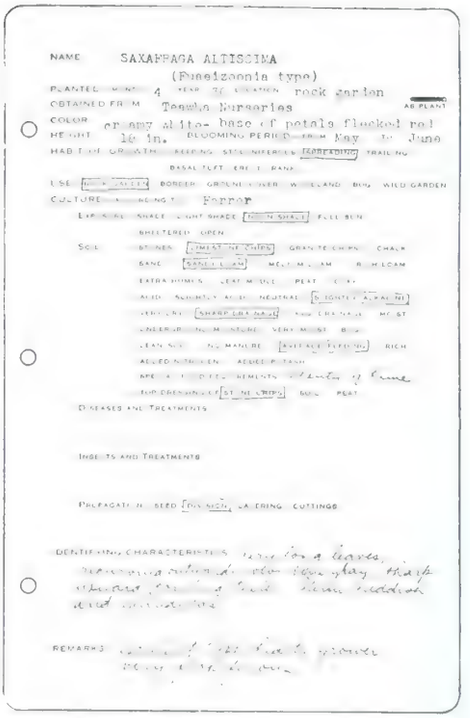


Other Jacobsen Mowers include the Junior, a 19-inch, wheel type power mower; the 4-Acre Heavy Duty, a 24-inch wheel type power mower; the Estate Mower, a 24 and 30-inch roller type power mower; the Putting Green Mower, 19 and 24-inch cutting width.

FREE Demonstration

There is a sure way to convince yourself of Jacobsen superiority — a demonstration. Let us show you on your own lawns. Absolutely no obligation. No cost. Write

Jacobsen Mfg. Co.
743 Washington Ave.
Racine Wisconsin



A Practical Garden Notebook

Walter A. Sheriffs

A GOOD horticultor needs at least three qualifications: imagination, patience, and memory, and the greatest of these is memory. In nearly every case, the difference between a happy, healthy, well-grown plant, and a struggling "miff", lies in the fact that someone has remembered to do the right thing at the right time. Truly, these few words express the very essence of all success in gardening.

A scheme, easy to use, that offers a basic help to memory should be of considerable value to the amateur and increase the gardening joy, and if that scheme also has adaptability to some of the needs of the expert, it demonstrates its practicality.

One has not progressed far into horticultural lore, before one realizes that most cultivated plants are individuals requiring widely varying treatment for best results. Gardening literature, alike for the tyro and the experienced, abounds with advice, hints, "don'ts" and "do's," for in gardening far more than in most crafts, is there a nearly unanimous willingness to lend experiences, and pass on secret of success. The real difficulty seems to be to remember all one has been told, or has read, or to have it in readily available form when reference is needed. There exists no single book that contains all of the necessary information. In fact one needs to sort and sift bits of information from books, magazines, gardening talks, radio broadcasts, and observation, and wherever and whenever one finds it. A means of boiling down the information to its essence, and then making it readily available at any moment, being a necessity, the following scheme was evolved and has proven quite convenient.

The illustration shows a standard loose-leaf notebook sheet printed in a form found quite satisfactory to this writer, but which is subject to easy modification if one's special interest or need dictates. Any printer can turn out the forms at surprisingly small expense. The use of the forms is obvious from the examples given. While usable by the veriest beginner, it presupposes a degree of familiarity with the terms involved. The fact that the various factors are before one is of great assistance to the beginner in collecting data. The blank forms may be worked up while reading or listening, or they may be more deliberately written up later before the recollection has become uncertain. The resulting indexed notebook may be on hand in the garden when needed, and should help insure, for instance, that *Dianthus Neglectus* is given no lime while its cousins get their ration. It may serve as a record of plants grown, plants to be tried, it may be used as a case history of your garden's particular pride. One can buy, in most stationers, a transparent celluloid envelope to insert each sheet, making it practical to use the notebook while planting, be the hands ever so dirty.

The bewildered beginner who is adding his first border or rockery might do worse than to take a supply of these sheets to his seed store or nursery, and there mark them up with the help of the obliging nurseryman for each plant that he intends to grow, and he is very often apt to find his own garden guide more convenient and less bewildering than his assortment of gardening books.

BOBBINK & ATKINS

Visit Nursery

World's Choicest Nursery & Greenhouse Products Grown In America

Ask for Catalog

A Money-saving Plan for Buyers of Roses

On February 1, 1931, Bobbink & Atkins announced a new policy that will be a real service to purchasers of Roses

We shall prepay all Express or Parcel Post Charges on all dormant Rose Plants Purchased at catalogue prices

This new policy will bring the famous Bobbink & Atkins Roses (dormant) direct to your door without any annoying extra charges.

There has been no increase in Prices

Large sales and modern production methods permit us to adopt the new policy of paying transportation charges on Roses, and to avoid increasing prices on any varieties.

Roses, by Bobbink & Atkins

A new edition of this reliable Rose catalogue has just been completed. If you expect to plant Roses this spring, and have not received this 1931 issue, write us.

BOBBINK & ATKINS, Rutherford, New Jersey

A Garden Full of Lilies for $3.00



Lilies for Spring Planting

The American garden lover will be pleased to know that, where heretofore they have been obliged to plant their lily garden in the autumn, they may now secure many of the finest lily bulbs for spring planting.

This has been brought about by the wonderful advancement made in the science of refrigeration, with the result that commercial florists have been growing them to bloom at any time of the year desired from bulbs taken from cold storage.

Special Offer — 12 Beautiful Lilies for $3.00

Three Bulbs Each of Four Fine Varieties

Auratum — The Golden-Banded Lily of Japan.

Regale (*Royal Lily*) — The gem discovered in the mountains of China.

Magnificum — The beautiful pink spotted Lily of Japan.

Tigrinum (*Tiger Lily*) — A famous lily widely grown in our country.

All bulbs of good out-door planting size. Plant in April and May for Summer Blooming.

Our 1931 Seed Annual sent on request

Stumpp & Walter Co

Branch Stores: White Plains, N. Y. Stamford, Conn.

30-32 Barclay Street NEW YORK

Branch Stores: Newark, N. J. Englewood, N. J. Hempstead, L. I.



"Like a gentle shower" the Double Rotary Junior Sprinkler brings refreshing beauty to early spring shrubs, flowers, gardens and lawn.

LET the Double Rotary Junior Sprinkler give all your growing things a perfect start to healthy, vigorous development and blooming splendor. Its soothing, refreshing, rain-like drops or mist-like spray made possible by adjustable nozzle are "Next Best to Rain"! Easily regulated to sprinkle in a circle or on a straight line.

Scientifically constructed of finest materials. Convenient skid base. Covers circular area up to 80 feet and down to 15 feet in diameter, according to pressure.

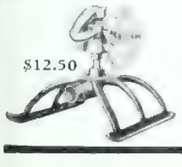
TRY 10 DAYS—If not satisfactory, return sprinkler and your money will be refunded. Descriptive literature on request.

DOUBLE ROTARY SPRINKLER CO.
200 Coca Cola Bldg. Kansas City, Mo.

THE HEAVY DUTY DOUBLE ROTARY

(Shown below) Thousands now in use on golf courses, large estates, parks, etc. Self-operating on the famous Double Rotary principle. Sold on same ten-day trial and money-back guarantee basis.

DEALERS: Write for sales proposition.



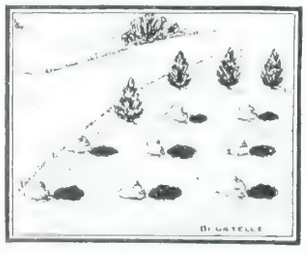
DOUBLE ROTARY JUNIOR SPRINKLER



Experience The Pleasure of Growing A

Grafted Evergreen Garden

HERE'S an idea every lover of trees and growing things will cordially approve. Order 12 of our beautiful Grafted Evergreens. Set them out in garden or lawn according to our simple directions. Watch them grow into fine specimens. These handsome Grafted Evergreens are about 18 inches tall and as wide in spread. They are sturdy, strongly developed plants — characteristic samples of good varieties — with a big ball of soil and roots on each.



THEY ARE NOT SEEDLINGS

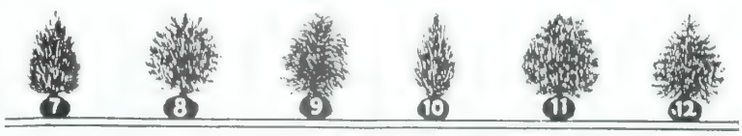
We have a special sheet of directions with diagrams to tell you exactly what to do so they will live and grow. This "Grafted Evergreen Garden" is dug to your order, balled and burlapped at once, shipped securely packed and protected, by Express collect, direct to you. Each plant is labeled in English and Latin botanical name, and on its stem a red mark shows just how deep to plant it. The price for the 12 Evergreens is $2.00

We are growers of nursery stock, devoting 150 acres to the propagation of good stock. Our prices are reasonable. New catalog mailed on request.

BAGATELLE NURSERY

BOX 207-G Half Hollow Hills

P. O. Huntington Station, Long Island, N. Y.



NEW POWER

NEW SPEED



THESE *Roller* MOWERS DEVELOP SOD THAT'S ON A PAR WITH *England's*

With generous power, completely controlled, the 1931 line of Ideal Mowers has established new standards of cutting perfection and handling ease. Newly designed, precision-built motor is alert, responsive, powerful. It permits flexibility of operation never before obtainable in a power lawn mower. It throttles down for dexterous handling on difficult places—instantly releases a deep flow of power that conquers steep grades and covers the straightaway at a fast pace. (Riding Trailer can be furnished with all models.)

New engineering features provide definite performance and long life advantages. Every model adheres to the high Ideal standard that has become traditional through 15 years of manufacture—and service on 25,000 fine lawns—of the world's largest line of mowers. New Roller models develop rich, thick sod by the English *rolling* system (22 and 30-inch cut). In the new Wheel types, aluminum construction gives lightness at no loss of strength (20 and 25-inch cut). Your request brings illustrated catalog on lawn maintenance.

and—FOR CERTAIN PEOPLE—THE TRIPLEX



The Triplex—a big capacity, tractor equipped mower—is preferred by many estate owners who want their lawn cut when they want it. Covers 35 acres in one day. Is untroubled by the difficulties of bushes, trees, walks, etc. It rounds them with the ease of a handmower. Ask about the Triplex now used on large estates where quick, clean work is of paramount importance.

IDEAL POWER LAWN MOWER COMPANY
403 Kalamazoo Street, Lansing, Michigan
FACTORY BRANCHES
413 W. Chicago Ave., Chicago, Ill. 237 Lafayette St., New York City 273 Boylston St., Brookline, Mass. 161 Vester St., Ferndale, Detroit, Mich.
Dealers in all principal cities

The *New* IDEALS
FIVE SIZES

House & Garden's Bookshelf

STARTING EARLY VEGETABLE AND FLOWERING PLANTS UNDER GLASS. By Charles H. Nissley. New York: Orange Judd Publishing Co.

A WORK like this thoroughgoing and in every way satisfactory volume meets a need in these days, when on the one hand the demand for flowers and vegetables ahead of the season has so greatly increased, and the difficulties of production have been so emphasized by the rising cost of labor and by at being no longer possible to rely upon manure as the source of heat. The matter of heating frames and greenhouses by electricity is indeed discussed and given favorable consideration. The general subject of the building and heating of hotbeds and greenhouses of all kinds is presented in all detail with 153 excellent black and white illustrations. Direct steam heat is not recommended for small structures because of the difficulty in maintaining a constant even temperature.

The quality of seed, its viability and the testing of it, the preparing of the soil, the sowing of the seed and the caring for the seedlings, especially in the case of vegetables, all are dealt with exhaustively. It is recorded that one way to harden young plants before setting them out is to withhold water or to water very sparingly for a week or ten days before. The subject of diseases common to seedlings and the control of them constitutes a very valuable part of the book. It is noted that while freezing and thawing cannot be relied upon to kill many fungous enemies, it is true that nematodes and eelworms are killed in this way. That is why they exist in the North only under greenhouse conditions. In the distribution of seeds, tubers and bulbs it is very important to have the proper temperature [illegible] F. B. M.

THE CHRYSANTHEMUM: ITS CULTURE. By Edward A. White. New York: Orange Judd Publishing Co.

IF it be true that no flower is of more general interest in America than the possible exception of the Rose and the Carnation," this is a work of great value to many. It is based upon experience that goes back over a third of a century, and is the result of the ardent devotion of a famous authority as vouched for by his being Head of the Department of Floriculture and Ornamental Horticulture at Cornell. For the flower he establishes the claim of easy culture, vigorous growth, freedom of bloom, wide range of form and attractive colors. And this claim, it must be admitted, seems to be borne out by the increasing popularity of the shows that now occur annually in the conservatories of the large city parks. For the increasing number of fanciers thus won and for all who want great wealth of color even after the first frosts have devastated their gardens, this book amply meets the needs, though in it there is no chapter devoted to growing the plant outdoors. Of its history, botany, breeding and propagation there is enough. Its development and progress are presented in a manner quite scholarly. Soils and fertilizers and culture and the control of the few pests and diseases that attack the plant are treated exhaustively, but almost entirely from the standpoint of growing under glass and for the market.

There occurs the amazing statement that of the 3,000 varieties that have originated in the United States only 225 are catalogued and grown now and of those that date back of 1870 only 16 have survived in commerce. Of European origin there are only 50 popular in America. So the lists contained in the book are useful. Excellent qualities as a cutflower are indicated by the fact that every year the eastern markets are receiving more blooms from California, in which land of flowers the chrysanthemum ranks first or second. F. B. M.

LILAC CULTURE. By John C. Wister. New York: Orange Judd Publishing Co.

IT is significant that the man who has done so much for the Iris, preeminently the flower of the artist, and has for his favorite among the bulbous plants the Narcissus, which is perhaps more than all other flowers the flower of poets, chooses among shrubs the Lilac. It is not, however, only the familiar shrub upon which has been bestowed so much affection from the time of the early American colonists, for the Lilac can now be enjoyed, with beauty and fragrance even enhanced, in many improved varieties that afford great range of size and color and even of form; there are some of which the florets are double or semi-double and the thyrses enormous.

The little volume performs two chief services in surely discussing methods of propagation and in helping to choose among the rather many varieties that are now offered by nurserymen. While admitting that own-root plants are most desirable it is concluded that in general the more convenient if not the altogether best practice is to use plants grafted upon privet, and to plant them deep enough to allow roots to form above the graft. To guide in selecting varieties there is provided a Lilac color chart in the form of lists of varieties arranged by colors, with indication of the comparative merits of the varieties.

There is a delightful chapter in which are suggested successful combinations with other plants and in which is made a plea for large plantings of this so handy shrub in city parks all over the country. Other topics, such as the History of the Lilac, Culture and Species or wild forms, some of which are well worth growing, occur in a much briefer and "handier" form than they have in Mrs. McKelvey's monumental work, a book which all who write about the Lilac will naturally use for a long time to come. F. B. M.

AFEGUARD your Lovely Flowers

ese tiny green, red or black his feed upon the tender foli- e in your garden, and rob your wers of their beauty. Be pre- red to kill these insects. Have on nd a package of "Black Leaf 40," e spray depended upon by gar- ners to kill Aphis, Thrip, Leaf- oper and similar insects.

e garden package of "Black af 40", costing 35c, kes 6 gallons of effec- e spray. Buy it from ur dealer.

obacco By-Products & Chemical Corp., Inc., Louisville, Ky.



Black Leaf 40"

Finer Gardens

IN THE MODERN MANNER

• • The modern standards of taste in gardening demand those choicer sorts which advancement in horticulture has made available to American gardens. Here in this hardy New England climate, we specialize in growing to perfection the finest evergreens, broadleafs, and flowering plants, trees and shrubs that are aristocrats in their own right. No garden owner with a desire for a finer garden should be without acquaintance with the offerings of Kelsey-Highlands Nursery.

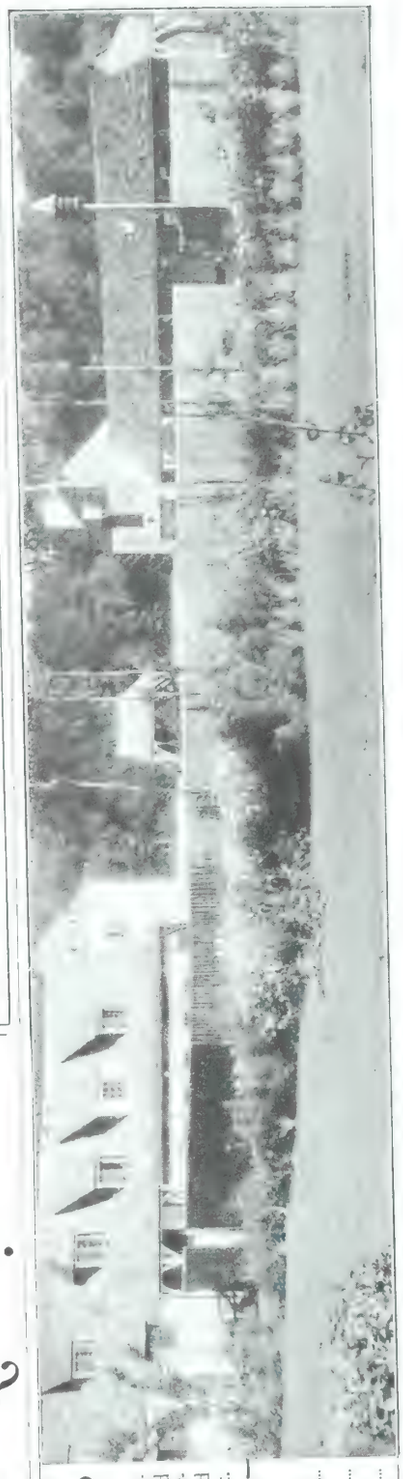
• • The 1931 catalogue offers helpfulness of a unique kind. Besides describing Carolina Hemlock and the other introductions of Harlan P. Kelsey, it contains such helpful features as: *Plants that prefer moist, dry, sunny, or shady locations. Rock garden suggestions. What to plant for fall color effects. How to have a successful Rhododendron Bed.*

May we send you a copy?

HARLAN P. KELSEY, Inc.
KELSEY-HIGHLANDS NURSERY
EAST BOXFORD, MASSACHUSETTS

Hardy Native American Plants





GENUINE BLUE SPRUCE

TEN Sparkling Colorado Blue Spruce Trees for only $3.95, postpaid to any part of the country! Five year old specimens, 9 to 12 inches high, double tree planted.

The Blue Spruce is a marvelous investment. The blued varieties are like a silvery cloud on the lawn. Because of their rarity and the former high cost of production, we have never before been able to make such an offer on Blue Spruce. DON'T DELAY. Order now for early spring delivery. Blue Spruces available at these prices only while this extra fine stock lasts. They will come to you glistening, fresh, vigorous. Simple to grow instruction for planting sent with shipment. Only a few square feet of ground needed.

Picea Pungens Glauca

Only $3.95 for ten

GUARANTEED ←

Any tree reported not flourishing within one year will be promptly replaced without cost to you.

If you can use more than ten we will send you 25 for $8.50 or 100 for $32. The price includes delivery.

THE LIVING TREE GUILD
Dept. 1140
National Headquarters for Growers of Living Trees
468 Fourth Ave. New York



Do you know... how to plant a rose garden?



a rock garden?



a corner group?



a border screen?



Send for Book!

The easy-reading Barnes Bros. 40-page catalog, "The Easy Way to Beautiful Plantings," gives in a very simple manner much information, both in text and illustration, needed in the planting of a rose garden, rock garden, border screen, corner group, etc. It also contains descriptions of over 1200 magnificent flowers, shrubs and trees, many pictured in full colors. This new catalog marks the 41st year of The Barnes Bros. Nursery Co. Send for it now—be ready when planting time comes. It will help *you* to beautify your grounds—free in New England, N.Y., N. J., Pa., Del., Md. Elsewhere: 25c. The Barnes Bros. Nursery Co., Box 21, Yalesville, Conn.

The Original BARNES BROS. NURSERY *Established 1890*

FREE THIS BEAUTIFUL— PRESIDENT HOOVER ROSE

its brilliance is dazzling. are bloom in which old coral, erise pink, yellow, flame and carlet are combined. You'll ove it. One rose, but given with each order of Lovett's "Elite" Collection.

EACH DIFFERENT GORGEOUS EVERBLOOMING ROSES for $5.00! POSTPAID!

These 6 fine Roses, superb Lovett's "Elite" Collection:

Dame Edith Helen, (Pink)
Etoile De France, (Crimson)
Kaiserin Aug. Victoria, (White)
Los Angeles, (Gold, Salmon and Pink)
Souv. De Claudius Pernet, (Yellow)
Talisman, (Gold and Orange)

Individually they would cost with "President Hoover" $2.45—all for $5.00. Every bush field grown, strong, luxuriant, vigorous and healthy. Order today.

New 1931 Catalog Free. Roses, Perennials, Evergreens, Shrubs, Hedge Plants, Fruit Stock, etc.

$7.45 Value for $5.00

LOVETT'S NURSERY
Box 67 Little Silver, N. J.

DUBOIS

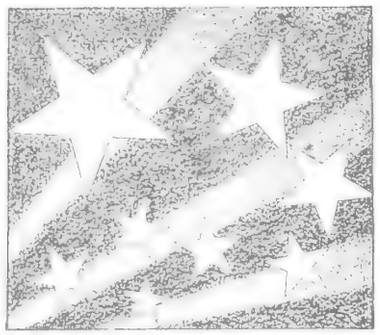
The Original French WOVEN WOOD FENCE

TRADE MARK REG. U. S. PAT. OFF.

Dubois gives pleasing unity to house and garage or service quarters. It blends with any architecture, gives all-year privacy and lasts a lifetime minus upkeep cost. Made of *seasoned French chestnut* that will not warp; bound with rust-proof, copper welded wire. 6 heights: 18 inches to 10 feet. Inexpensive; easy to erect.

DUBOIS FENCE & GARDEN CO., Inc., 101 Park Ave., New York
Please send me this illustrated catalog of "Dubois" with prices. I-D

Name.....
Address.....
City..... State.....



Exclusive Novelties

now ready for *your* garden

As one who leads the community in rose growing, you naturally want an exclusive novelty or two for your 1931 garden.

Here are ten!

And, not one of these "Star" novelties is an experiment—each and every one has been thoroughly tested under field conditions—and so is *guaranteed* to bloom in *your* garden.

If you have not already enjoyed the 1931 "Star Guide to Good Roses", ask for it *at once*. It describes this year's novelties, most of them exclusive with Conard-Pyle, and pictures many of them in color. Then, too, we show the novelties of yester-year and the established favorites—200 of them—in a word, the best Roses for America.

SPECIALISTS

For 34 years this firm has specialized in growing good roses. Because of this, news of many new roses comes to us first—and so we are able to offer our customers a wide variety of exclusive novelties.

This is the time for action—within a few days, relatively speaking, your roses should be in the ground. As we write this announcement, there is complete choice of the 1931 offerings—but time flies and stocks grow less with each passing hour.

If you have the "Star Guide" on your library table, we suggest you consult it immediately and dispatch your order *at once*. If you do not have the "Guide", by all means send for it *now*.

THE CONARD-PYLE CO.
Robert Pyle, *Pres.*
Rose specialists for 34 years
West Grove 323, Pa.

THE CONARD-PYLE CO.
West Grove 323, Pa.
Please send the 1931 "Star Guide to Good Roses" at once.
Name.....
Address.....

STAR ROSES
GUARANTEED TO BLOOM

The Garden Scrap Book

(Continued from page 140)

lapping petals like the shingles on a roof, and the Dahlia-flowered form, with its cupped petals, resembling a decorative Dahlia. Both of these may be used for background or they grow to a good height, producing long-stemmed flowers that are most desirable for cutting purposes.

Then there is the Elegans, especially desirable for bedding and massing effect in the garden. Its flowers are of medium size with long, slender stems. And finally, the latest addition to the Zinnia family, the lilliput or pompon variety. This last is of compact form, usually growing to a height of two feet. You can have it in a gorgeous array of color, very charming for vase or bowl decoration. All Zinnias should be cut with long stems back to the leaf pair nearest the main stalk. This will not only provide long-stemmed flowers, but it will also prolong the blooming season of the plant, giving successive flowers of good quality.

Zinnias grow profusely in practically all sections. Seeds sown in cold soil are slow to germinate and if they lie there too long without germinating they may decay. Better give Zinnia plants plenty of room to branch and they will reward you with grateful bloom.

They are so easily grown that the seed may be sown in the open ground, moist, freshly turned, and without surface sprinkling. However, they may also be transplanted if you prefer.

A GOOD HOSE REEL. For some reason which we have never been quite able to fathom, good new garden gadgets are rare discoveries. Perhaps the manufacturers don't realize their sales potentialities; possibly the inventor type of mind just naturally turns in other directions. In any case, it is something of an event to find a really useful novelty to add to the garden equipment list.

We have lately come across one, though, which ought to gain wide popularity wherever artificial watering has to be done on the grounds around the house. It is, in effect, a hose reel permanently installed in the basement in such a way that the hose can be easily drawn out through a special plate set in the house wall and, when the watering job is finished, will be wound back on the reel by the action of springs. The hose remains attached at all times to an interior faucet, so there is no fussing with leaky connections. The reel holds 100 feet of hose and the whole device is easily and quickly managed.

The advantages of a scheme like this are obvious. It eliminates all the old-time hose objections—kinking, muddy clothes, laborious dragging and the rest. Furthermore, the hose itself will last much longer than if it were subjected to the old conditions of use and storage.

Altogether, a most interesting gadget. If you want to know where it

INDIVIDUALITY

Nowhere is there a greater opportunity in which to express one's individual taste and personality than in the planting of a garden.

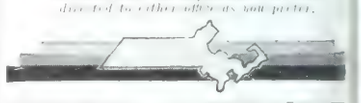
Whether your inclinations are mild and conservative and best interpreted with the soft shades of Dogwoods, Flowering Crab Apples, Roses and the pastel shades among perennials or are better expressed by the bolder more vivid colors such as Azaleas, Japan Quince, the Autumn foliage of Euonymus and Vaccinium, we are prepared to supply your needs.

We have at our nurseries Evergreens, Flowering Shrubs, Trees and Perennials in a truly remarkable variety and quantity. We state this modestly but hope you will challenge the statement by visiting our nurseries and see for yourself, just how extensive they are.

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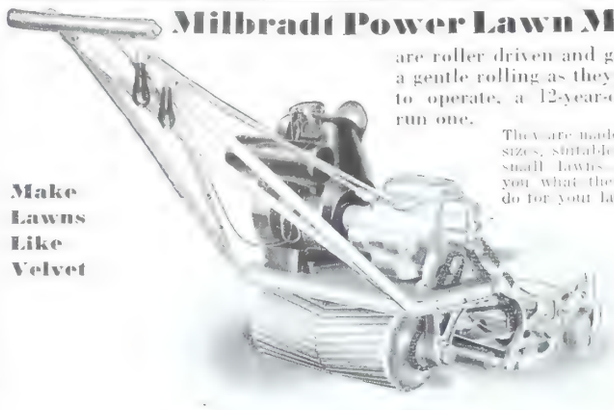
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are roller driven and give the lawn a gentle rolling as they cut. So easy to operate, a 12-year-old boy can run one.

They are made in 4 different sizes, suitable for large and small lawns. Let us show you what the Milbradt can do for your lawn.

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GARDEN DEPARTMENT
HOUSE & GARDEN

The Garden Scrap Book

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HANDY SPRINKLING. Another recently developed watering device that looks good is a set of spray heads designed to be inserted at intervals in an ordinary hose line, thereby producing an effect comparable to the more expensive permanent underground systems which are so successful for lawn sprinkling. Such a spraying line is as flexible and movable as an ordinary hose, so the spray heads can be disposed at any desired distance from each other. They are sold in sets of four and, being made of brass throughout, nickeled and with a substantial steel base to prevent tipping, are very durable.

These sprayers are so constructed as to throw the water in a fine mist, not as drops. Each of them covers a wide area thoroughly, without flooding or beating down the most delicate plants. As with the preceding device, we will be glad to forward the manufacturer's name on request.

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Many vegetable gardens have been abandoned, particularly on small places, because of their ragged and unkempt appearance from midsummer on. This is entirely unnecessary but if, through force of circumstances, it is a condition that cannot be helped to prevail, that need not deter anybody. By setting off the vegetable garden with attractive and concealing boundaries, this objection can be overcome.

First of all it may be enclosed with shrubbery that will conceal it as the season advances. Or it may be surrounded with an ornamental fence of some type, to be draped with flowering or even perennial woody vines.

Again, you may make a combination vegetable and cutting flower garden in such proportion that the color of the blooming annuals takes attention away from maturing vegetable crops. Alternating rows of annual flowers and vegetables are one successful scheme.

Then, too, and most important of all, the vegetable garden given the care that is given the flower garden will go a long way to solve the problem. The beds should be laid out according to a planned design if ornamentation is to be taken into consideration. This is especially necessary when it is not possible to have concealing boundaries. Paths neatly edged with herbs of ornamental quality such as Parsley, Chives and Sage may be employed to outline the different patches of vegetables.

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Rhododendrons

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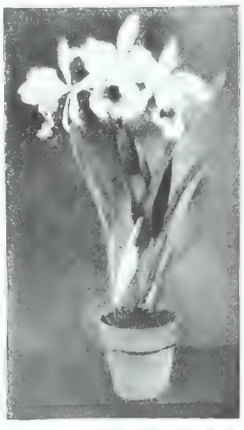
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Giant bulbs, grew 6 ft. high, last summer 4½" circ.

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U. S. Department of Agriculture Says:
"It is very hardy and has proved valuable under a greater variety of climatic and soil conditions than any tree yet introduced."

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5 foot Trees		6 to 8 foot Trees	
1 tree	$ 2.50	1 tree	$ 4.00
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The Garden Scrap Book

ored annuals may readily be used to [illegible] purpose.

An ornamental gateway leading into the vegetable garden from the rest of the premises starts the ornamental idea off right. Shrubbery leading up to an ornamental archway, or a neatly trimmed hedge, will make the vegetable garden a focus of attention.

HOME ASPARAGUS. It is now time to make that Asparagus bed you've been thinking about for the past nine years. All you need is the space, a load or two of manure, a strong spade and a stronger back to wield it. These items assembled, proceed in this fashion:

To supply a family of four or five, plan on 200 roots. These will go in 25 inches apart in rows, with 3 feet between the rows. Consequently they will have to be a total of about 150 feet of trench. Your asparagus will develop [illegible] in each section.

Now for the digging. Spade down on to achieve a trench 18 inches deep and a foot wide—honest measure. In the bottom of it lay manure and trample it down. On this lay a couple of inches of soil, on top of which the roots are planted. Cover them, and fill in the trench, now until the level with the ground on the rest of the garden. In three years, and every year thereafter, you'll be [illegible] the Asparagus you want, especially if you plant one of the rust-resistant varieties like Washington.

THOSE ANNUAL ASTERS. China Asters—which really are not Asters at all, though they have preempted the name and have even dropped the original designation of "China"—are the indispensable annual for late summer and fall cutting. They are also choice material for garden display, although their season for this purpose is comparatively brief. The later blooming types have the finest flowers and are the best for cutting. The comet, shotter stemmed types are the best for garden display.

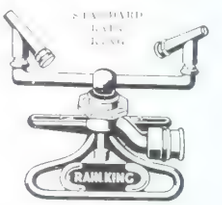
The chief value of the Asters is that it comes at a period when a great majority of the popular garden annuals have gone or are at least past their prime. A succession of Asters may be obtained in two ways—by starting the late types only in the house or in a frame and making successive sowings until the weather is warm in the open ground, or by sowing the early, mid-season and late types at the same time.

For the fine Late Branching, Ostrich Plume, American Beauty and Asterium types, it is advisable to sow the seed in March so as to get a long season, making successive sowings until mid-May.

The soil should be sown thinly to make transplanting easy and save waste of plants in spindling, over-

(continued on page 150)

Send $1 for this Marvelous $3.50 Lawn Sprinkler



Sprays more water, spreads it evener, throws it farther on same pressure. Can be set instantly for mist-like spray, gentle shower, or drenching downpour. Use it as stationary or revolving sprinkler—for large circles, small circles, long strips or narrow strips, etc.—all sprinkler actions are combined in it, quickly set for *your* needs.

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COLDWELL DEPENDABLE LAWN MOWERS. Several types of mowers operated by hand, horse, gasoline and electricity. COLDWELL LAWN MOWER CO., NEWBURGH, N. Y.

THE PROPER CARE OF LAWNS. Information on the [illegible] care and [illegible] lawns. DEARING LAWN ROLLER CO., INC., 11 CHAMBERS ST., NEW YORK CITY.

"LAWNS BEAUTIFUL". Several types of the Jacobsen Power Lawn Mower are illustrated and described. JACOBSEN MFG. CO., 200 WASHINGTON AVE., RACINE, WIS.

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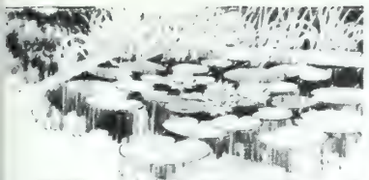
N.Y.K. MAIL. Discusses various tours to the Orient, around the world and through the Pacific. NIPPON YUSEN KAISHA, DEPT. G, 17 BATTERY PL., N. Y. C.

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The Garden Scrap Book

(Continued from page 150)

crowded seedlings. They should be transplanted from the original seed box or pot as much apart as soon as the first true leaves are formed, and grown until ready to be set in the open ground.

It is becoming more and more the practice, as the importance of color effect in the garden becomes better understood, to plant Asters as well as other annuals in solid blocks rather than in the popular mixed color manner. Rose and pink with lavender and purples are favorite tones combined with white.

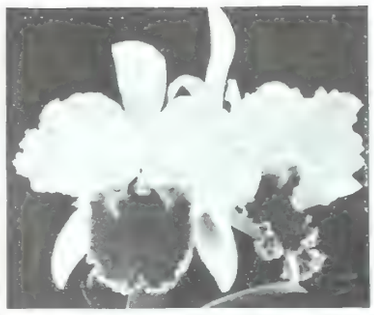
SPACE FOR VEGETABLES. Few properties are so laid out that they provide an ideal vegetable garden site, because of shade trees, the proximity of other buildings, the placing of the house on the ground space or other reasons. It is necessary to take the lay of the land as it is and pick out a garden spot as good as may be under the circumstances. In other words, make the best you can of the situation.

The fact that the home site may not offer an ideal place for vegetables should not prevent an effort to grow them. In no other way can really fresh and highest quality vegetables be obtained for the table. Any piece of ground, even as small as 5′ by 5′, will [illegible] practical size for an all-around garden to give a reasonable supply is 20′ by [illegible].

There is only one absolute necessity in selecting the garden location, and that is sufficient sun at least a portion of the day; the longer the garden may have the sun, the better. However, good gardens are often seen in rear backyards which receive only a few hours of sunshine daily. If the ground area can have sunshine any time morning until three in the afternoon any of the common vegetables can be grown successfully. Many of the standard sorts can be grown with even less than this.

Ideal soil is not often found. Take the soil as you find it and proceed to build it up. This is no great task. The one feature to avoid is a low-lying position that is always soggy and in which water is bound to stand after rains. This is one feature which precludes a good vegetable garden until some artificial drainage has been provided to carry off the excess moisture of water.

A vegetable garden 50′ by 100′ will furnish an adequate supply for a family of six. Smaller families need smaller gardens, and when the space is very limited it is best to select and specialize on some one favorite vegetable.



[illegible] AM RHS

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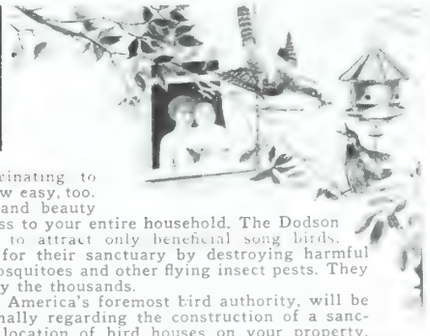


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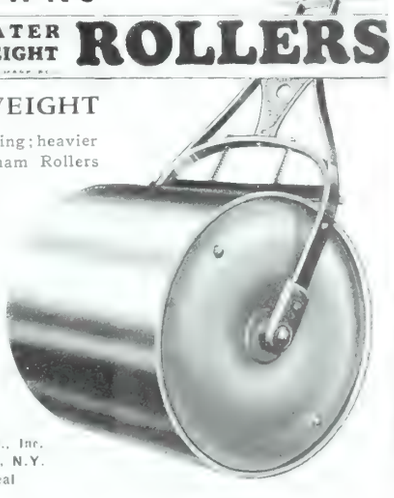
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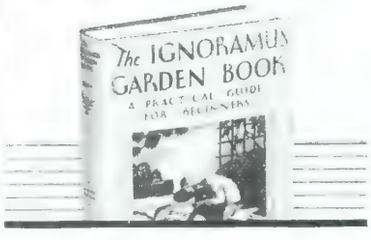
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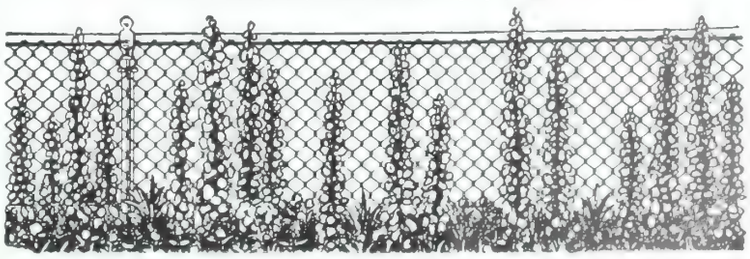
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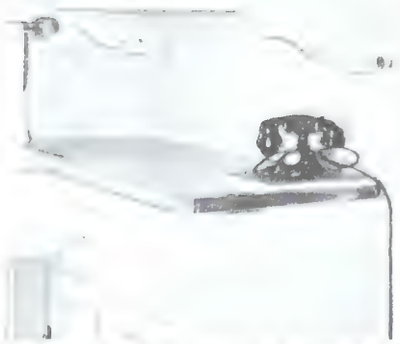
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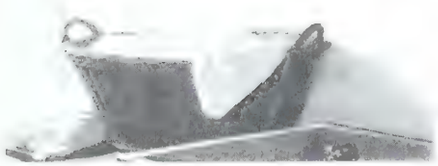


The bedside telephone, by its very convenience, becomes a necessity. Each morning it helps immeasurably to simplify the planning of the whole day's program. Appointments are made, invitations are issued or accepted easily and quickly. At night it is instantly available and gives a comforting consciousness of protection in case of emergency.



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Of course you prefer sterling. Of course you picture the perfect table hospitably agleam with really lovely solid silver. And you couldn't have chosen a happier year to acquire it!

Towle sterling is priced lower than it has been for years. Even modest budget-planners are deciding that they can't afford to postpone sterling, at its present cost. And brides who were figuring on "just sterling necessities," to start, are finding they can have a larger set for the same expenditure.

So, if you've been wistfully visioning your own table not quite as complete as you'd like it—well, you need only visit your jeweler to discover how wrong you were and how lucky you *are*. And it's a very good idea to take along your most devoted relative while you choose your Towle pattern. For, with prices what they are, it's almost sure to lead to a beautifully harmonious tea or coffee service in your chosen design!

TŌWLE

STERLING SILVER EXCLUSIVELY



Let Emily Post, your guide at your wedding, has written tons of good advice into a fascinating little booklet. Here's the way to get it.

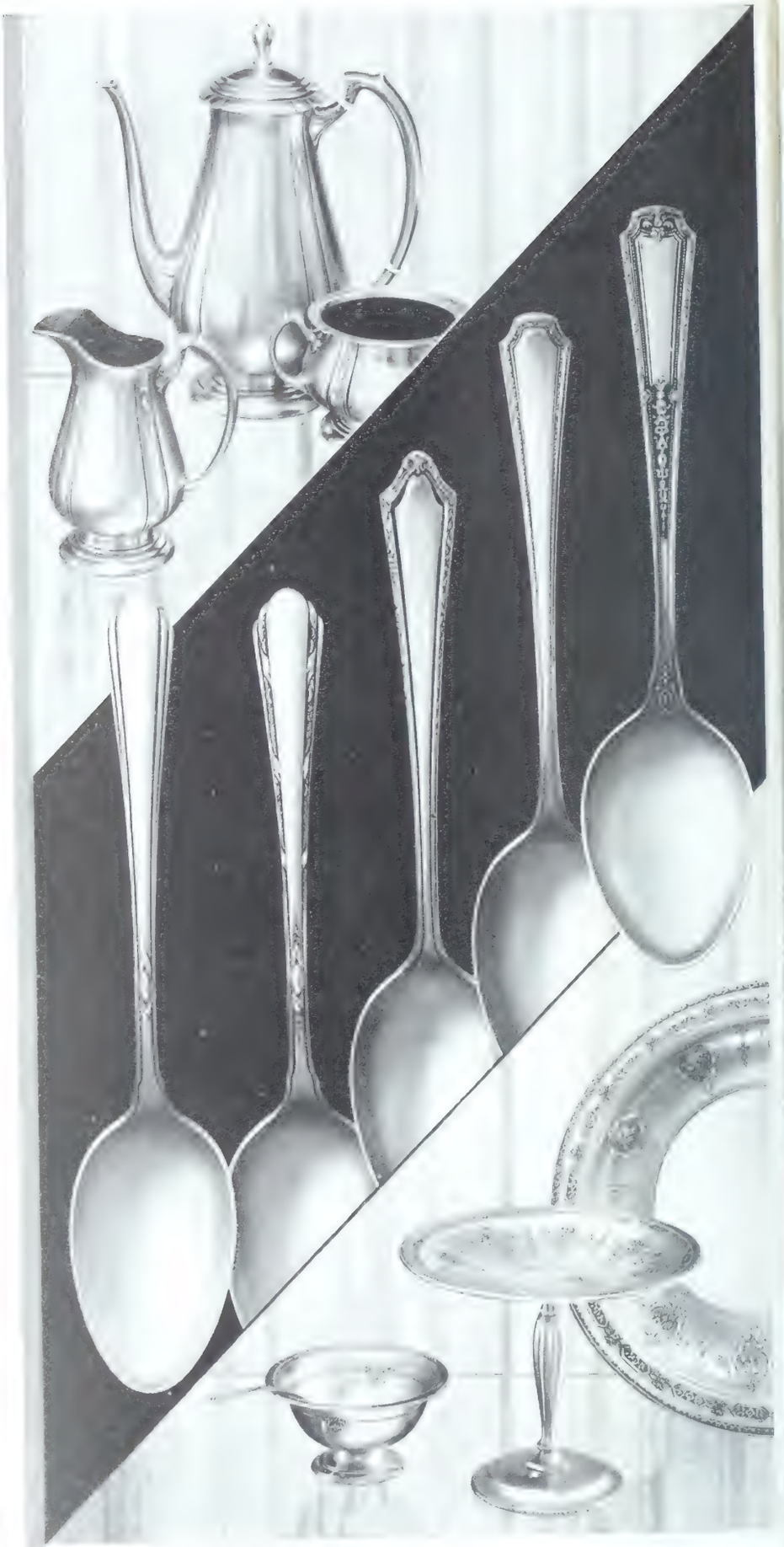
The Towle Silversmiths, Dept. G-5, Newburyport, Mass. I enclose 25¢ in coin or stamps for Emily Post's "Bridal Silver and Wedding Customs."

Name _____

Address _____

City & State _____

My jeweler is _____



New prices for the patterns shown above!

(Left to right)

Lady Diana, 6 teaspoons	$ 8.50
Chased Diana, 6 coffee spoons	$ 6.50
Virginia Carvel, 6 salad forks	$16.00
Lady Constance, 6 butter spreaders	$12.50
Louis XIV, 6 bouillon spoons	$11.50

(above, top)
A serenely beautiful after dinner coffee service matching your Lady Diana flatware. Three pieces, $200.00.

(above, bottom)
In the Louis XIV pattern

Fruit salad bowl	$45.00
Tall compote	$27.00
Sauce bowl, $15.00—and ladle	$ 2.75

B. ALTMAN & CO.

Fifth Ave. at Thirty-Fourth Street — Telephone: MUrray Hill 2-7000



Interiors

are planned in the first flush of Spring—

You begin with the blue-prints to create interiors that are in character with their surroundings. Plaster enrichments, panelling, convenient outlets, and the right fixtures are matters for consultation between your architect and your decorator. You must make them acquainted *long before* the building is ready.

ALTMAN DECORATORS
SEVENTH FLOOR

TALENT—SERVICE—QUALITY



MACY'S

54th Street and Broadway
New York

In this photograph: the mantel ornaments, a set of three crystal and gilt candelabra, $34.50; the tiny figurines, $12.89 each. On the stand, oval pottery basket, $3.96, a white cachepot, $11.89, the Chelsea birds, $7.94 each. The tiny vases, $3.96 each, the low bowl, $4.96, the tall one, $15.89.

18th Century Spirit and Charm

THE generous use of white for accessories in Victorian and 18th Century interiors achieves a sparkle and animation quite unlike any other decorative effect. Against dark, gleaming woods and deep-toned walls, these bits of pottery and porcelain and crystal are gay and charming accents. Macy's department of Decorative Accessories has a rich store of these—a choice collection of mantel garniture, table center pieces, flower holders and all the characteristic appointments of French and English rooms of this period. Of course there are appropriate accessories for other rooms, too—a diversity of objects with which to emphasize and enhance French provincial, Colonial, Italian or modern decorative schemes. On the Sixth Floor.

THE increasing importance of white in smart decoration is reflected in the variety of white background chintzes offered in the Chintz Room collection. Many of them are adapted from lovely old fabrics, and they are perfect with 18th Century interiors. These chintzes, in which great brilliant flower masses contrast vividly with the white grounds, are printed in France and England exclusively for us. All are semi-glazed so that they drape and hang beautifully, and they are equally effective for slip covers. The display photographed below shows a few chintzes — and the prices per yard from left to right are $3.96, 69c, 98c, 69c, and $3.96. The $3.96 designs are hand blocked and 50 inches wide, the others 31 inches wide. On the Seventh floor.

are Recaptured by MACY'S



A MOTHER . . .
energetic as a debutante



TIRED moments add years to the way you feel and the way you *look* . . . Avoid them! Eat a few pieces of Schrafft's candy when you begin to tire. Notice how quickly it revives you. Pure candy drives away fatigue — this is the latest verdict of science. You've eaten Schrafft's for its delicious flavor — now eat it as a healthful source of *quick energy!* Available everywhere, 60c to $2.00 the pound.

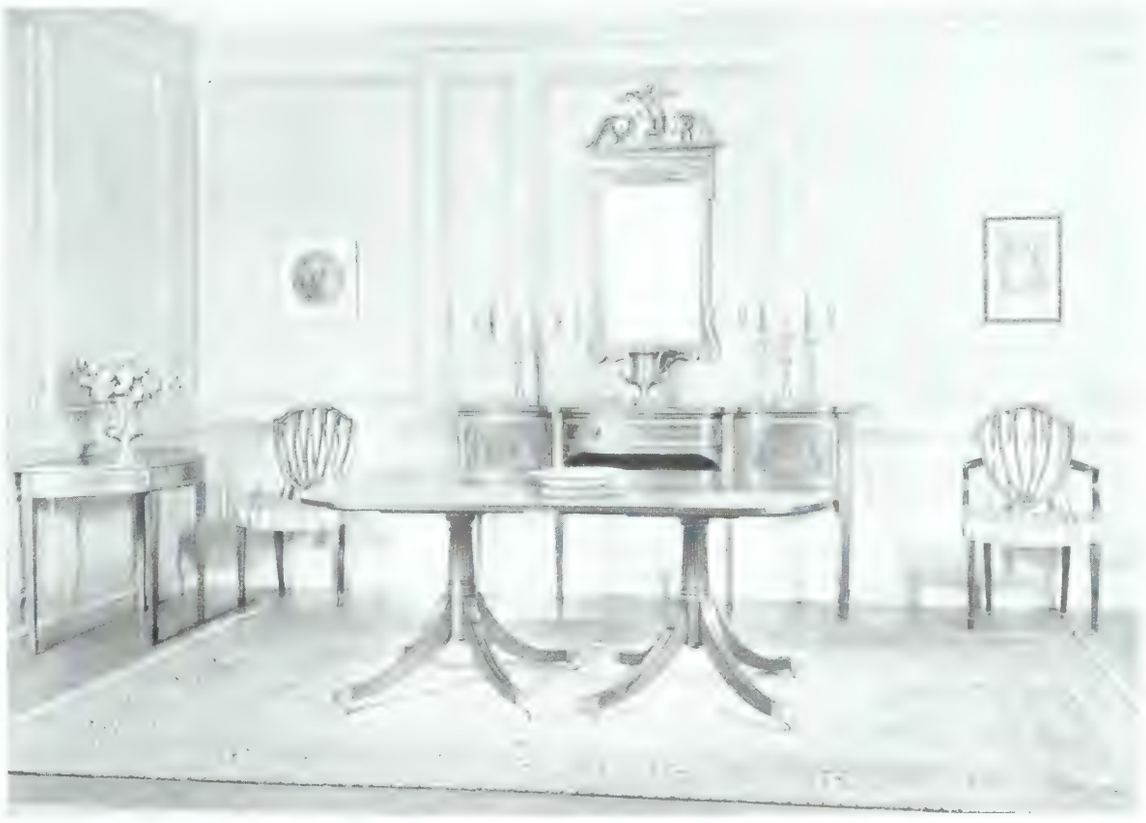
★ Every day thousands of healthy people buy Schrafft's Candy in the famous Schrafft's Stores and Restaurants — and they eat this delicious energy-food to fight fatigue and guard health.

Selected Candies and Chocolates

SCHRAFFT'S belongs in the picture of *HEALTH

KENSINGTON FURNITURE

AWARDED GOLD MEDAL OF HONOR IN NATIVE INDUSTRIAL ART
39TH ANNUAL EXHIBITION ARCHITECTURAL LEAGUE OF NEW YORK



LATE 18th CENTURY ENGLISH MAHOGANY FURNITURE, *by* KENSINGTON

Furniture in the Styles of Hepplewhite and Sheraton — Unsurpassed in Suitability and Charm for American Homes

IN the styles of Hepplewhite and Sheraton English furniture attained a degree of comfort and refinement that has never been surpassed. The product of what has been happily termed "the golden age of cabinet-making", it combined in a charming simplicity the grace of smoothly flowing lines, and the colorfulness of richly figured mahogany and subtly blended inlays, with a utility and convenience that fully meet the exacting requirements of today. Because of its modest scale and delicate yet always satisfying balance proportions, these pieces are suitable for most of our modern homes.

Kensington Furniture in these delightful styles is authentic in every detail of design, and retains through the old-time hand processes of the Kensington craftsmen the character and decorative quality of old work, while for practical considerations decidedly preferable to antiques.

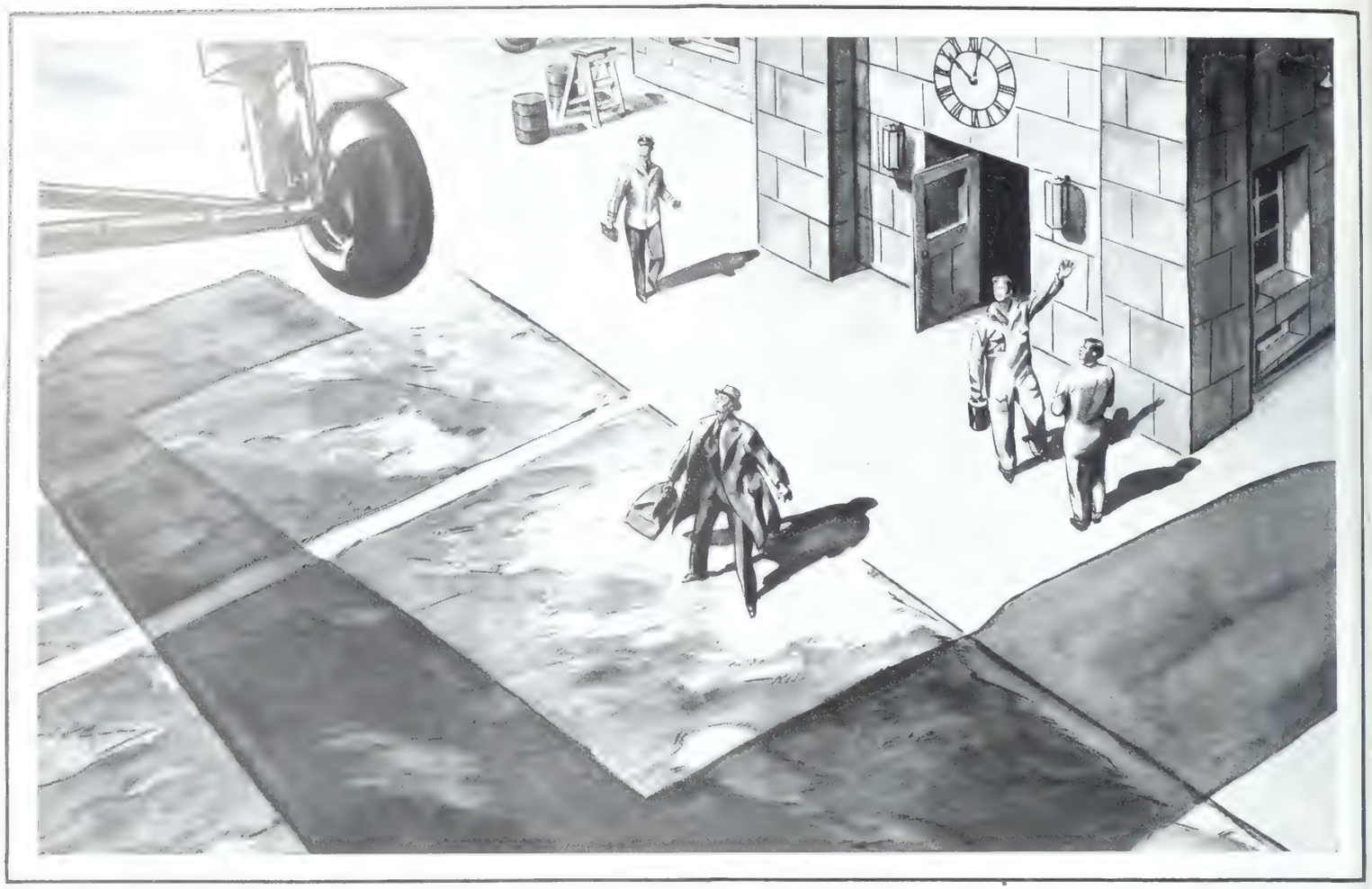
Kensington Furniture is made in all the decorative styles appropriate for American homes.

The purchase of Kensington Furniture may be arranged through your decorator or furniture dealer

KENSINGTON MFG COMPANY
MANUFACTURERS
DECORATIVE FURNITURE
NEW YORK

Write for illustrated Booklet Home pamphlet, "How Kensington Furniture May Be Purchased"

SHOWROOMS, 41 WEST 45TH STREET, SIXTH FLOOR



The ten o'clock plane took off at ten . . . then Jim got a Telechron* Clock!

TEN O'CLOCK! Idling motors roar with sudden life. The big passenger plane rolls down the runway. Now it's off—to scud along the skyways and land three hundred miles away—on time. Two minutes late, Jim stays on the ground. His clock was slow!

Modern, efficient America is learning to trust only to Telechron self-starting Electric Clocks. They govern the schedules of the finest air services. They direct the daily activities of thousands of homes and offices. Plugged into ordinary electric outlets they deliver accurate time—without winding.

Telechron Master Clocks check generator speeds in power houses and assure Telechron precision. Telechron Clocks and Master Clocks were made for each other. And only clocks marked "Telechron" on the dial can give Telechron service in your home.

At the Telechron dealer's near you (listed in the classified telephone directory) you'll find a rich variety of interesting models. Uprights for table or desk. Tambours for the mantel. Banjos for the wall. Tall grandfather's clocks. Some with mellow chimes, with alarms, illuminated dials and other novel features made possible by the magic of electricity.

Telechron prices range from $9.75 to $55. The Revere Clock Company, of Cincinnati, manufactures strike and chime clocks with Telechron motors, priced from $30 to $1000.

★ Telechron is the trade-mark, registered in the United States Patent Office, of the Warren Telechron Company.

WARREN TELECHRON COMPANY
ASHLAND, MASSACHUSETTS

THE REVERE CLOCK COMPANY
CINCINNATI, OHIO



No. 326—Mahogany case 5½" high. $11

Telechron



R-802—Colonial design. Mahogany. Chimes. $39. Same pattern. Hour and half-hour strike. $30



No. 532—Gothic. Mahogany case. 9¼" high. $15

ONCE
N A LIFETIME

June . . . then, if ever, come perfect days for a beautiful wedding, which is almost as exciting to parents and doting relatives as to the bride and groom. Then, if ever, you rise to the glamour of the occasion, by presenting a gift that will last a lifetime . . . whose rare beauty and quality remain for years an eloquent expression of your discrimination.

Such a gift is Sloan Rock Crystal . . . the aristocrat of the modern dining table. Perhaps you will want to give goblets or salad plates, champagne glasses or a dozen footed tumblers . . . or maybe you are thinking of a complete service. Whatever you have in mind you will find in the varied designs of the Sloan assortment. And you will be sure of finding exquisite proportion in each piece, a gemlike sparkle, lasting lustre and patterns to harmonize with the bride's china and silver and the decorative scheme of her dining-room.

SLOAN

ROCK CRYSTAL WARE

RINGS LIKE A BELL

LONACONING MARYLAND

Look for this Trademark



Sloan Rock Crystal Ware in fifteen patterns, including all types of glasses, goblets and plates in three sizes, may be obtained at Gimbel's, New York; Carson, Pirie & Scott, Davis Co., Chicago; Snellenberg's, Philadelphia; A. Stowell & Co., Inc., Boston; Ed. Schuster & Co., Milwaukee; Sterling & Welch Co., Cleveland; Tuttle & Clark, Detroit; Kresge, Newark. If your favorite store does not carry it, write direct to Sloan Bros., Lonaconing, Md. for booklet.



GLADYS MILLER

"Now... Even Paris will turn to America for Fashionable Furniture"

PREDICTS *Vahan Hagopian*



IDEAL FOR BREAKFAST OR COMBINATION ...



"HELEN WORTHINGTON, COMFORT" ... is a ... Chair. It's one of the most adaptable ...



HORIZONTAL LINES ARE THE KEYNOTE of this rattan suite by ... And a refreshing ... accessories ... Heywood-Wakefield ...



VAHAN HAGOPIAN, A. I. A.
Architecte Diplomé par le Gouvernement Français

PARIS may be the world's style capital for nobody's gowns. But for the latest mode in furniture, even Paris must look to the new Heywood-Wakefield designs. They're so distinctive...so entirely original...that authorities like Vahan Hagopian instantly hail them as a brand-new note in furniture design.

This new furniture was created exclusively for Heywood-Wakefield by Gilbert Rohde, prominent New York designer. And the first glance will tell you how unusual it is.

"Strikingly modern," you'll say, as you note the bold, strong lines. "But not too bizarre, not too extreme, to fit right into my sunroom." You'll recognize instantly its sound good taste.

"And how comfortable!" you'll exclaim, as you sink back against the soft cushions. It seems as if every curve was planned just for the special purpose of making you gorgeously comfortable.

You'll be captivated by the upholstery, too! Only the newest, the smartest fabrics... each pattern specially selected for its color harmony by Isabel M. Crocé, well-known style authority on modern upholstery materials.

But you must see this new Heywood-Wakefield furniture for yourself. It's on display now in all the better stores. Just ask for it.

HEYWOOD-WAKEFIELD

Executive Offices, Boston, Mass.

Makers of Fine Furniture

Authentic Hooked Rug Designs



CARPET » » the counterpart in pattern and in color of the most prized of hooked rugs » » a perfect complement to the informal charm of Early American and French Provincial interiors » » originated by Cochrane to give utter freedom in planning the covering for any size and shape of floor area » » at a cost within reason.

CHARLES P. COCHRANE COMPANY · PHILADELPHIA

COCHRANE RUGS

CARPET [illegible] butterfly table, a venerable clock in the corner, and the Cochrane carpet—a perfect copy of an old hooked rug [illegible] charming informality of this 18th century living-room.

No. 3801—3



Chauncey Jerome

Harmonized in these electric clocks...

Modern engineering and a century-old tradition

OF COURSE, you want an electric clock. You want accuracy—continually guarded for you at the source of your electric power. You appreciate, moreover, freedom from supervising that petty household detail of winding the clocks. Effortless precision, the mark of distinguished living, this is yours with an electric clock.

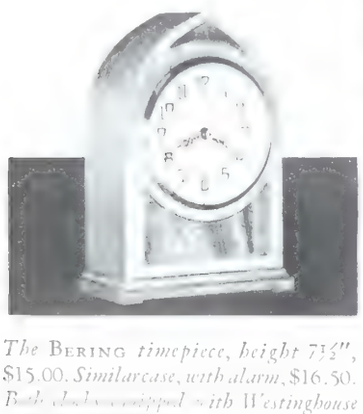
Mere accuracy, however, is not enough, nor is convenience sufficient recommendation for an article destined to play an intimate part in the life of a well-appointed modern home. Style, that reflection of taste, that mirror of a mode of life, must make your clock a worthy companion to your finest furniture.

In every one of these respects, Chauncey Jerome clocks do honor to the name they bear, a name remembered in the annals of American craftsmanship. Writing of Chauncey Jerome, a well-known authority, Lurelle Guild, says, "In that year '18[illegible] he revolutionized the clockmaking industry and became the foremost clockmaker of his time." His achievement lay in the substitution of brass for wooden works. Not until the application of the alternating current electric motor did the clock industry take such a long step forward.

. . .

Chauncey Jerome clocks reflect the spirit of this outstanding craftsman. Their mechanism is quiet, simple, sturdy and precise. The motor is by Westinghouse. Ask your jeweler to show you the features which make for long life and easy operation. The design of these clocks blends the graceful lines of a former day with the pleasing simplicity required by modern taste.

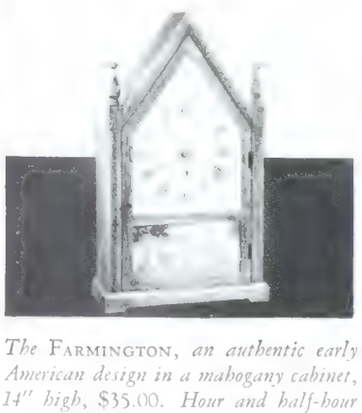
From the standpoint of mechanics, of design, and of cabinetmaking, Chauncey Jerome clocks are worthy of the distinguished homes for which they are destined, worthy of the distinguished tradition in which they are created. Chauncey Jerome, Inc., 500 Fifth Ave., New York.



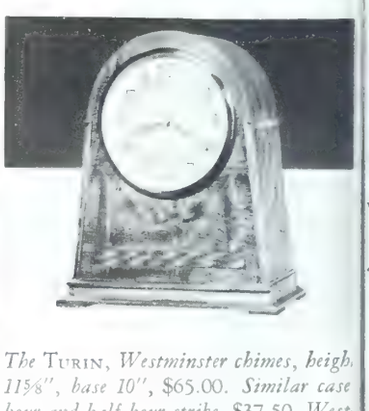
The BERING *timepiece, height 7½", $15.00. Similar case, with alarm, $16.50. Both clocks equipped with Westinghouse self-starting motors.*



The WILTON, *banjo timepiece, 33" overall, $40.00. Hour and half-hour strike, $60.00; with Westminster chimes, $85.00. Westinghouse self-starting motors.*



The FARMINGTON, *an authentic early American design in a mahogany cabinet, 14" high, $35.00. Hour and half-hour strike. Westinghouse self-starting motors.*



The TURIN, *Westminster chimes, height 11⅝", base 10", $65.00. Similar case hour and half-hour strike, $37.50. Westinghouse self-starting motors.*

SOLD ONLY BY THE FOREMOST JEWELERS IN AMERICA

Chauncey Jerome

FINE CLOCKS



Pierre Dutel designs a French Provincial bedroom, using Celanese Taffeta at the window, and Permanent Moire on the bed. The color scheme contrasts white and raisin, with lime green pipings for accent.

French Provincial Rooms

ENJOY THE PRACTICAL FEATURES OF CELANESE WEAVES

The versatility of Celanese Decorative Fabrics is demonstrated again in their ready adaptability to interpret the quaint, informal charm and the thrifty qualities of the French Provincial setting. Fabrics of Celanese have a natural, luxurious suppleness—entirely free from loading . . . their smooth, firm textures are dust-repellent . . . they are not injured by rain or dampness or salt air . . . do not shrink or stretch, or mold or mildew . . . and retain their fresh beauty of textures and colors through repeated cleanings.

CELANESE *Decorative Fabrics*

TRADE MARK REG. U. S. PAT. OFF.

• *Celanese yarns, fabrics and articles are made of synthetic products manufactured exclusively by Celanese Corporation of America, 180 Madison Avenue, New York City* •



n impression of Salem Roofs by STEICHEN

R[illegible] have an unfortunate tendency to be aggressive . . . The texture of the new Salem Shingles changes with the continual variation of light and shadow. The roof becomes an integral part of the whole plan . . . in harmony with its environment."

EDWARD STEICHEN



AS STEICHEN'S CAMERA SEES THE PLAY OF LATE AFTERNOON SUNLIGHT ON A SALEM ROOF

THOSE who have shared the common disappointment in a "new roof" will rejoice at the effects now obtainable. There is no obvious newness in a Salem Roof. Rather a feeling of tradition, age, substance, authenticity.

In the gray shades, Salem Shingles are a replica of the weathered hand-hewn shingles on early New England houses. But the soft browns, greens, and reds now available extend the range of their usefulness beyond any single architectural period. They are literally a new medium.

Added to their aesthetic contribution are important material considerations: Made of asbestos fibres and Portland cement, they form a roof which is everlasting, fireproof, free from upkeep expense. They may be applied over an old roof, with a minimum of disturbance.

Your architect will assist in selecting the Salem Roof for your home . . . or write to Architectural Service, the Johns-Manville Corporation, Madison Avenue and 41st Street, New York, N. Y.

Johns-Manville

JM *Salem* **Roofs**



In creating a fully convertible Landau Phaeton for the Chevrolet Six, Fisher adds another brilliant triumph to its long record of achievement in coachcraft.

Heretofore, this distinctive body type has been offered solely in the costly custom field. Today, in a spirited interpretation, solidly constructed and handsomely finished, it is available at Chevrolet's low price.

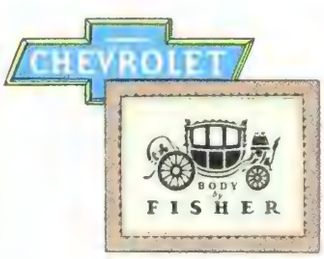
The Landau Phaeton is racy in its design, with bold moulding treatments, wide doors, and rakish roof line. The ingenious top mechanism is solid and rattle-proof, but lowers easily and compactly. Upholstery in leather, deep, restful cushions, side arm rests, and recessed ash trays are among its fine-car features. Thus Fisher's skill in design and craftsmanship plus the resources of Chevrolet and General Motors brings a model long popular for custom use within the reach of every car buyer.

Fisher is proud to have had a part in this achievement and to join with Chevrolet in offering for the first time at modest cost a car of such pronounced charm, all-season utility, and high value.

FISHER BODY CORPORATION • DETROIT, MICHIGAN
Division of General Motors



Lowering easily, the top fits neatly into a compact boot. Windows lower into the doors, windshield folds forward.



LOOK TO THE BODY!



With top lowered and windows raised, this car combines the freedom of an open car with protection against drafts.

JOHNSON & FAULKNER

ESTABLISHED
1823

45 EAST 53RD STREET
NEW YORK CITY

JOHNSON & FAULKNER offer a wide range of choice reproductions of antique fabrics—many taken from rare and historic examples of exceptional interest. Also one will find in the showrooms a complete display of modern decorative materials. Indeed, whatever one may desire in a high-class imported upholstery or drapery fabric, will be found in an abundance of patterns and color combinations in the Johnson & Faulkner Showrooms.

CHICAGO PHILADELPHIA SAN FRANCISCO
BOSTON PARIS LOS ANGELES



AT THE FIRST TOUCH OF THE PILLOW YOU *know* IT'S WAMSUTTA PERCALE

Even with your eyes shut you can tell Wamsutta Percale. Snuggle your cheek into the pillow, stretch out in the smooth cool depths of the bed and you don't need to find the label on the sheet hem to know that it's Wamsutta, "the finest of cottons."

The luxurious difference in these sheets and pillow cases is the combined result of Wamsutta's selection of longer-staple cotton . . . of the extra combing of our yarns and of the traditionally finer weaving and finishing that has made Wamsutta Percale America's most famous sheeting fabric.

For those who love color, Wamsutta sheets and pillow cases offer a beautiful selection of soft pastel tints in several styles of hems . . . All seven of these shades harmonize especially well with the new North Star Blankets.

WAMSUTTA
PERCALE SHEETS
AND PILLOW CASES
THE FINEST OF COTTONS

WAMSUTTA MILLS, New Bedford, Massachusetts

NEW YORK SALES OFFICE, 180 Madison Ave.

WAMSUTTA *percale* SHEETS & PILLOW CASES



Bigelow-Sanford rugs and carpet are loomed by the oldest and largest rug weavers. They offer you all the qualities born of more than a century's experience and economies which only large-scale manufacturing makes possible.



She smiled as she heard them whispering "*If only* WE *could afford such a rug!*"

Look for the BIGELOW-SANFORD *name, the mark of quality on the back of every genuine Bigelow-Sanford rug and carpet*

Yes, it was a perfectly *gorgeous* rug. How the colors glowed and shimmered! How they enriched the entire room! And what luxury to tread on such a deep, soft pile!... But wasn't it just too ridiculous for her friends to envy her when they could easily have just such a rug themselves?

In appearance and quality indistinguishable from expensive importations, oriental-type rugs by Bigelow-Sanford are so modest in price as to be well within the reach of any home.

We'll gladly send you, *free*, our illustrated folders and the name of a Bigelow-Sanford merchant in your vicinity. For only $1 a beautiful, bound book, *Decorating Your Home*, will be sent, also. Address: Bigelow-Sanford Carpet Co. Inc., 385 Madison Avenue, New York.

$20 to $180 9' x 12' SIZE

DESIGNS, COLORINGS AND WEAVES IN UNRIVALLED VARIETY FOR EVERY TYPE OF HOME AND EVERY TASTE.

Revitalized Warm Air
CONSTANTLY CIRCULATED





Health authorities agree that these four factors are essential to health in the home: humidification to prevent drying the mucous membranes of the nose and throat; filtration to remove irritating dust and dirt; uniform temperature; and positive circulation of air through the home. Heatmaster gives you all with revitalized *air.*

WHAT A HEALTHFUL NECESSITY IT IS!

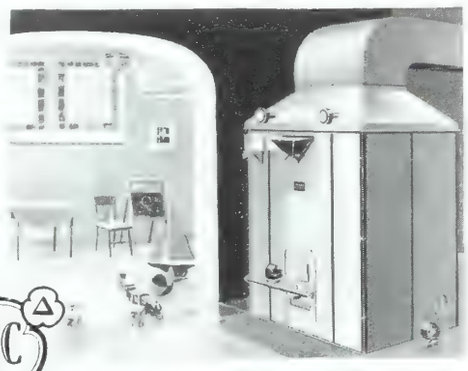
There is now available a necessity of modern times for those who want the utmost in health and comfort for their homes. It is the Heatmaster Gas-Fired Warm Air Heating System, that brings all the conveniences and comforts of modern gas heating—*plus revitalized air.*

What is *revitalized* air? It is the *healthful* opposite of dry and stagnant air. *Revitalized* air contains body-building and nerve-resting elements always found in really *pure* air, resulting in new energy by day, better rest at night—better living.

Heatmaster—the modern exemplar of gas heat—sends a continuous flow of *revitalized* and uniformly heated air on a constant tour of comfort through your home. And does this *automatically.*

Ask Your Gas Company about Revitalized Air and HEATMASTER

SURFACE COMBUSTION CORPORATION
TOLEDO, OHIO







Revitalized *warm air comes to you only through Heatmaster, as you will interestingly find when you read the little booklet that the coupon will bring. It carries a message of new health, new comfort, undreamed of convenience.*

HEATMASTER
«AUTOMATIC GAS-FIRED»
CIRCULATED AND HUMIDIFIED WARM AIR



The SC Janitrol, installed in your *present* boiler or furnace, will bring the comfort and convenience of automatic gas heat.



Surface Combustion Corporation, Toledo, Ohio
Please send, without obligation, your booklets, "Revitalized Air—Modern Necessity" and "Gas As a Fuel."

Name.....
Address.....
City.....State.....

Important contributions to the

Wealth, alone, cannot create an atmosphere of distinction. ~ Costly appointments do not assure luxurious and harmonious surroundings. ~ To achieve that perfect union of comfort, luxury and beauty, which is the ideal of good taste, fixtures, fittings and furnishings must, in themselves, possess inherent quality—fundamental fineness of material, design and workmanship. ~ Inspired and guided by this principle, the Wm. H. Jackson Company has become an important factor in creating that atmosphere of distinction which marks America's finest homes. ~ This famous organization of artists and artizans—established in 1827—offers you a service which includes both the *creation* and *importation* of important art objects in *metal* and *stone;* and covers many phases and fields of decorative achievement. ~ Should you desire a Fireplace Ensemble of a specific period the Wm. H. Jackson Company stands ready to serve you, either with rare and original antiques, or authentic modern reproductions of unrivaled quality and beauty. ~ If you are in quest of Andirons, Fire Sets, Tables, Lamps and similar



objects of art and utility in that immortal metal, *bronze,* you will delight in the supremely beautiful pieces designed and executed by Jackson. ~ If you seek for your home the luxury and economy of fine Bronze or Aluminum Casement Windows, Wrought Iron Gates, or Decorative Grilles, you will discover that the Wm. H. Jackson Company also produces Architectural Metal Work—cast and modeled with that *sculptural precision* which has made their Foundries famous throughout the land. ~ Even the gardens and grounds of your home may gain added distinction and beauty through the services of this famous House. ~ Jackson's importations include antique Well-Heads, Fountains, Columns, Benches and other fine examples of Stone and Marble Garden Furniture. ~ Until recently the Wm. H. Jackson Company's exclusive creations and importations have been sold only through the Jackson Galleries in New York and Chicago. ~ Now, however, Jackson Products may also be obtained in other leading cities through the prominent establishments listed below.

Exclusive Representatives of the Wm. H. Jackson Company

Baltimore
I. G. VALIANT COMPANY

[illegible]
PETTINGELL-ANDREWS COMPANY

[illegible]
THE A. B. CLOSSON JR. COMPANY

[illegible]
[illegible]

Dayton
THE A. B. CLOSSON JR. COMPANY

[illegible]
[illegible]

Detroit
THE MARTIN-GIBSON COMPANY

[illegible]
J. G. VALIANT COMPANY

Pittsburgh
BEAUX ARTS

Providence
TILDEN-THURBER COMPANY

St. Louis
SCRUGGS-VANDERVOORT-BARNEY

[illegible]
J. G. VALIANT COMPANY

Wm. H.

ESTABLISHED 1827 OVER

beauty and luxury of your home



Ensemble grouping of Jackson Products, indicating the luxurious atmosphere of livableness and loveliness which may be achieved with these decorative masterpieces. The group consists of: an Antique Mantel of the Adam Period in beautiful Half-Statuary Marble with Inlays of Vert Antique . . . $1900; Silver Plated Andirons in a design adapted from Adam motifs . . . $180 the pair; XVII Century English Candlesticks of that rare metal, Paktong . . . $140 the pair; a highly Decorative Metal Table finished in Bronze and Gold with a top of exquisite Supreme Rentrosa Marble . . . $250; a Bronze and Gold Lamp in a beautiful design which reflects the Adam influence . . . $150 without shade; and an Ash Receiver of Empire styling also finished in Bronze and Gold . . . $20.

JACKSON COMPANY

2 West 47th Street, New York 318 No. Michigan Ave., Chicago

A HUNDRED YEARS OF SERVICE

FIVE YEARS FROM NOW



. . . what will be the value of your new home?

To build or remodel a house in 1931 without installing automatic heating of the best available type is to build a house that will be definitely behind the times before you occupy it. / To install a hand-fired heating plant is like installing inadequate plumbing facilities. / In selecting the type of automatic heating use three yardsticks . . .

FIRST . . . the fuel. Is it the cleanest available? Is it completely adapted to automatic operation? Will it supply itself as needed, without attention?

SECOND . . . the heating plant. Is it designed specifically for the fuel you will use? Will it burn the fuel you select with maximum economy? Has it any parts which will require frequent adjustment or replacement?

THIRD . . . the backing. How long has the manufacturer been in business? What type of organization, locally, will be responsible for your satisfaction with your purchase? What assurance have you that, five years from now, that organization will still be interested in the performance of your heating plant?

If you will get the correct answers to these nine simple questions, we can safely rest our case, being assured that the chances are wholly and strongly in our favor. The Bryant Heater & Manufacturing Company, 17862 St. Clair Avenue, Cleveland, O.



With Bryant Gas Heating in your home, you can . . .

throw away your coal shovel . . junk your ash can . . eliminate all fuel storage of any kind . . make a single match your winter's kindling . . tend furnace by the calendar, not by the clock . . lighten the daily housework . . save rugs, paint and upholstery . . postpone redecorating . . do away with dangerous ups-and-downs of inside temperature . . hold temperatures constant within a single, thermometer-measured degree . . live in a warm house, sleep in a cool one . . laugh at blizzards . . enjoy winter . . and let your pal be your furnace man!

BRYANT HEATING

BRYANT *Automatic* GAS HEATING

New life in the old house lately...



IT HAPPENS in the best families. When the girls begin to grow up and go out with the crowd, the old home begins to look alive. Youth rides in and takes possession. All of which may be a bit startling at first, but it's a relief to feel that your daughter's favorite social center is her home.



And it's nice to know that her background is *right* . . . that the place has the comforts that young visitors expect, the charm and the character that their parents appreciate when they call. Especially in the critical corners that tell so much about your living habits.

No rooms in the house are more expressive than the bathrooms and the kitchen. Carelessness here can't be disguised with cushions and slip-covers. And *carefulness* here advertises to every one your good taste—and good sense.

Modern plumbing fixtures and fittings have a new beauty and a new precision. To expert eyes, the name Kohler is the mark of the thoroughbred, the sign that surface quality goes straight through! Any one can see the grace and strength of the large pieces . . . the clarity of their soft, pastel tones . . . their glasslike smoothness of surface . . . the fine finish of each detail.

And there is an even more notable difference that you may not see, *in the metal fittings*. Kohler faucets, valves and drains are made of tough, rustless brass—heavier, simpler, stronger, longer-lasting. Their use adds many years of good service.

The modern home that has more than two bedrooms has more than one bathroom, of course. If your present place doesn't quite meet your present needs, an extra bath or lavatory can be worked into almost any small space . . . and at small expense.

Architects and builders will tell you that the best plumbing is the only kind for you . . . increasing property values . . . reducing up-keep costs . . . paying daily dividends of satisfaction and *always saving money in the end.* Kohler quality is a good investment.

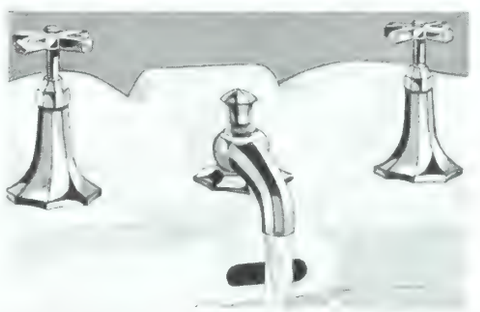
Take the advice of millions of home-builders and find out the facts—*before* rather than after. If you plan to build or buy or remodel soon, you will be interested and helped by a new Kohler booklet, A-5, which shows the beauty and the benefits of modern plumbing, at its best. Write for your copy today. . . . Kohler Co. *Founded* 1873. Kohler, Wisconsin. Manufacturers of Kohler Electric Plants. . . . *Branches in principal cities.*



The double drainboard Bristol sink with Dynamic swing spout faucet

ELEVEN IMPORTANT POINTS

1. *Kohler designs* are decorative, purposeful, correct.
2. *Enamel*—fused with an everlasting bond . . . keeps its smooth, glistening surface.
3. *Vitreous china*—armored with a smooth, lustrous, lasting glaze.
4. *Kohler colors* are soft, livable pastels. The white is a perfect white.
5. Metal fittings match the fixtures in style, character and quality.
6. Made of finest materials . . . show craftsmanship and care.
7. This year's Kohler products are next year's new ideas in plumbing.
8. Kohler quality extends to *kitchen and laundry.*
9. Kohler quality *costs no more* . . . and saves money later.
10. Handled and installed by qualified plumbers.
11. Backed by *an entire community* . . . beautiful Kohler Village.



Cellini fittings on B Vitreous vitreous china lavatory



Sweden vitreous china lavatory with Dynamic fittings

KOHLER OF KOHLER

LOOK FOR THE KOHLER MARK ON EVERY FIXTURE AND FITTING



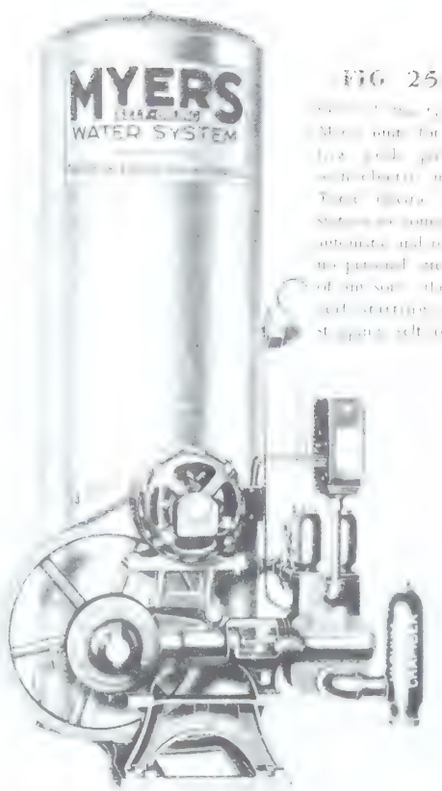


FIG. 2510

for THOSE *who live and play* BEYOND THE CITY

BEYOND the city's crowded streets — but also *beyond the city's water mains!* Yet you must have running water — at the touch of a faucet — in your suburban or country home, your farm estate, summer cottage, camp or club. Without this greatest of all modern conveniences your daily life loses much of the comfort and happiness that rightfully belongs to you. For country dwellings Myers has built a complete line of

Reliable Water Systems

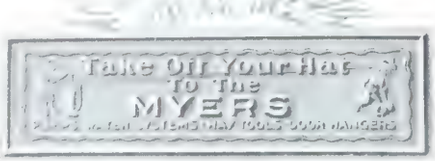
Back of every Myers Water System lies sixty-one years of experience in meeting the problems of domestic and industrial water supply. We have been "Pump Builders Since 1870." Today there is a tested and standardized Myers unit to meet every variety of water system need. For deep or shallow wells; for powering by electricity, gasoline engine, windmill or hand. Capacities 250 to 10,000 gallons per hour. The Myers reputation assures your satisfaction. And Myers standardization protects your purse. Myers dependability is a known quality to your plumber and your architect who will recommend these systems unreservedly.

Send for interesting Water System Booklet. Name of nearest dealer on request. Our Engineering Department is at your service

THE F. E. MYERS & BRO. CO.
105 ORANGE STREET ASHLAND, OHIO

MYERS *Self-Oiling* WATER SYSTEMS





WISE SPENDING

prevents Leaks . . . such as this . .



THE TRULY ECONOMICAL house is one that costs the *least* to live in. Such a house can be built only of the most durable materials. Attempting to save money in first cost and thereby "taking a chance" with rustable metal has cost homeowners untold millions of dollars.

For example, consider gutters, rain-pipes, valleys and flashings. How *well* they will protect the house from rain and snow depends on the metal of which they are made. Metals that rust require repair or replacement, usually in seven years, in spite of frequent painting. Anaconda Copper, which *cannot* rust, lasts indefinitely and saves this upkeep expense.

Owners of homes protected with Anaconda Copper know the upkeep-savings resulting from its use. These savings have been definitely established by a nation-wide investigation which shows that copper sheet metal work *saves* an average of $24 a year in the usual size house . . . definite proof that it pays to install copper.

Sheet metal contractors can obtain from leading fabricators gutters and rain-pipes bearing the Anaconda trade-mark and the words "Standard 16 oz."... an identification worth looking for.

Useful information on Anaconda metals is given in the illustrated booklet, "Copper, Brass and Bronze in the Home." For a free copy address The American Brass Company, General Offices: Waterbury, Conn.

Sheet Metal Work of

ANACONDA COPPER

CAN'T RUST ANACONDA *SAVES MONEY*

from mine to consumer

GUTTERS · RAIN-PIPES · ROOF FLASHINGS AND VALLEYS

"TO LOVE, HONOR, AND KEEP HER"

IN COMFORT

(if it isn't too much trouble)





It's so easy for husbands in pleasant offices to take the comfort of their wives for granted.

Thousands of uncomplaining wives (and children) spend their days in uncomfortable houses that are chilly and damp in Spring-time—scorching hot in Summer cold and drafty in Winter.

It's a simple and inexpensive matter to insure all-year-'round comfort by protecting your house with Celotex. A few dollars worth of Celotex will, in most cases, do the job. And it will save hundreds of dollars in future fuel bills by stopping costly heat leakages—and guard the entire family from dangerous illnesses caused by cold, drafty rooms. In Summer it wards off the blistering heat of the sun—keeps every room in the house cool and pleasant.

NEW COMFORT PLUS AN EXTRA ROOM

While shielding your house with Celotex you can also transform wasted attic (or basement) space into a lovely extra room, a protected playroom for children, a comfortable maid's room, a guest's room or cozy recreation room enjoyed by all the family. When you buy, sell, build, or remodel, Celotex is important.

To assure the beauty of plastered walls and ceilings, there is Celotex Lath, the insulating plaster base. You know how disfiguring cracks and ugly lath marks can mar beautiful interiors. Celotex Lath, with its beveled, shiplap joints, minimizes these unfortunate mishaps.

Ask your lumber dealer, your builder or your architect for the complete story of Celotex insulation. They will advise you how to use it most effectively—whether you build a new home or remodel the one you are living in now.



THIS LOVELY GUEST ROOM WAS BUILT FROM WASTED ATTIC SPACE
(COST $74.50 WORTH OF CELOTEX—PLUS LABOR)

By transforming your attic into a beautiful extra room with Celotex you insure all year 'round comfort in the home you now live in—shielding your house from both Summer heat and Winter cold—and saving hundreds of dollars in future fuel bills by stopping excessive waste of costly furnace heat. Your basement, garage, and sleeping porch can be quickly and inexpensively insulated with Celotex.

The Celotex Company, 919 N. Michigan Ave., Chicago, Illinois. In Canada: Alexander Murray & Co., Ltd., Montreal. Member of the National Building Industries Program. Sales distributors throughout the World.

•

Trade and Celotex Reg. U. S. Pat. Off.—other trademarks pending—to mean products of The Celotex Company.

CELOTEX
BRAND
INSULATING CANE BOARD

Celotex Refrigerator Insulation has been adopted by more than 25 leading manufacturers of refrigerators. Insist that your new refrigerator has this latest improvement in cabinet construction. Then there is Acousti-Celotex, the acoustical tile that quiets disturbing noises. Write for complete information on either. Both are products of The Celotex Company.

NEO-CLASSIC BATH
PEMBROKE MODEL IN A POMPEIAN SETTING



NEO CLASSIC



WITH FITTINGS OF HARMONIOUS DESIGN

A new form for plumbing fixtures modelled by a designer of recognized authority, and faithfully reproduced by "Standard" . . . Neo-Classic form is a distinct departure from the usual plumbing fixture design . . . Its individuality is grounded in that simplicity which is at once classic and modern. And it is this very simplicity which permits the Neo-Classic to be used with distinction in both period and contemporary settings.

The simplicity of the Neo-Classic motif has this further advantage—it is carried out equally well in the design of bath, lavatory and water closet; in fittings for these fixtures; in towel-bar and lighting fixtures . . . This makes possible, for the first time, an ensemble of perfect harmony in design as well as color.

You are invited to visit a "Standard" Showroom to see the Neo-Classic designs which, in the bath models, may be had in regular enamel or "Standard" Acid-Resisting enamel . . . The Neo-Classic lavatory and water closet models are available in vitreous china . . . All Neo-Classic fixtures, bath, lavatory and water closet, are available in white and each of the nine "Standard" colors. A copy of the book "Standard" Plumbing Fixtures for the Home will be mailed on request.



NEO-CLASSIC BATH
PEMBROKE MODEL IN A CONTEMPORARY SETTING

"Standard"
PLUMBING FIXTURES

Standard Sanitary Mfg. Co. 10[illegible]XTH STREET, PITTSBURGH

DIVISION OF AMERICAN RADIATOR & STANDARD SANITARY CORPORATION



Lovely WALLPAPERS *grace her new home*

That first house . . . where a new life is to be commenced . . . where old friends are to be proudly welcomed . . . new ones entertained . . . of course it must be right. So on the walls you will find lovely wallpapers. For today wallpaper is smart . . . up-to-date . . . fashionable. Its gay patterns, its graceful designs make walls daringly modern or gaily chic . . . add to the gayety of your rooms, or tone down their insolence to a classic dignity. Today there are many wallpapers, each with its own distinctive effect on the appearance of your rooms. To help you, therefore, The Wallpaper Association has published a handbook. This tells you almost everything you want to know about decorating with wallpaper. It will come to you upon request and with it you obtain the right to free advice at all times on your individual decorating problems. Address Dept. F-1.

The WALLPAPER *Association*

10 EAST 40th STREET, NEW YORK



"Sleep under the North Star"



Presenting the lovely "NOCTURNE" the new. . . . Summer Blanket

Style has acclaimed the "Nocturne"—the new Summer Blanket, and "Nocturne" merits the distinction, for its exotic beauty fitly suggests the moonlit loveliness and tranquillity of a summer night.

Loomed of gossamer filaments of purest wool and bound in richest satin, the semi transparent "Nocturne" is another example of the consummate textile artistry which has made North Star Blankets world famous.

The "Nocturne" is as useful and practical as it is beautiful—washes perfectly—and its wide range of exquisite new pastel shades lends itself to every color plan. Made in sizes 66" x 90" for single beds and 72" x 90" for double beds.

On warm summer nights, when sheets are too light and other throws too oppressive for restful sleep, the thistle-light, luxurious "Nocturne" is the perfect coverlet.

NORTH STAR PUREST WOOL **BLANKETS**

North Star . . . Wamsutta

North Star Blankets and Wamsutta Sheets are styled to meet the most fastidious demands of modern ensemble decoration. In quality and color they are unapproached.

NORTH STAR TRADE MARK N O 1870 BLANKETS

North Star Woolen Mill Company, Minneapolis, Minnesota, Dept. H6

Please forward, post prepaid, copy of your new North Star Blanket Catalogue in Full Color

NAME

STREET

CITY

STATE

© 1931—N. S. W. M. Co.

Windsor Chairs *in the Modern Home*



JOHN HANCOCK Ladderback 2022-1 | CRICKET 2011-W | COFFEE TABLE 2056-0 | PRISCILLA Arm Chair 2003-5

MODERN homes, as well as homes of Colonial inspiration, find Nichols and Stone Windsor Chairs bringing the grace and charm of good taste combined with comfort. The adaptability of the Windsor Chair is proven by its 300 years of popularity. And Nichols and Stone Windsors, recreated from original antiques, possess the authenticity of real character and genuine beauty.

In sturdy construction, in graceful line, in fine finish, in genuine hand-woven flagg seats, Nichols and Stone Windsors have an almost unique distinction. And their extremely moderate prices make these friendly chairs especially desirable.

Ask your dealer to show you the newest N & S Windsors. They can be identified by the famous brown and gold shield.



GOV. BRADFO Arm Chair 208

WINDSOR Arm Chair 2036

SALEM Rocker 69-6

Use the coupon to get your free copy of this booklet with many new N & S chairs beautifully illustrated.



NICHOLS & STONE CO.

THE HOME OF WINDSOR CHAIRS

Gardner Windsors Mass'tts

NICHOLS & STONE CO.,
Department H-31, Gardner, Mass.

Send free copy of The Tercentenary of Windsor Charm and nearest dealer's name to

Name.....

Street & No......

City & State.....

Now you can buy CYPRESS [*FINISH* GRADE] for the price of ordinary wood

WHETHER you plan to build an entire house or merely alter a kitchen cupboard, here is a fact that should both surprise and interest you as nothing else has in all your "home-minded" days.

Now you can use *Finish* grade Tidewater Red Cypress for the interior of *your* home at no greater cost than you would have to pay for woods of ordinary grain.

Every Cypress log yields two types of lumber. One is the Heart grade—so uniquely rot-resisting that it is in tremendous demand for exterior structures—the other is the Finish grade, for interior use. Because of the demand for the Heart grade, it is possible to produce and sell the Finish grade at a remarkably low price.

Consider, for a moment, exactly what that means. Any architect, any interior decorator, will tell you that this durable yet charming lumber is as perfect an answer to your building problems as ever Nature supplied.

For, aside from the fact that it is now priced within the reach of all, Tidewater Red Cypress is so smooth-textured that nails or screws won't split it; so easy to work that it cuts labor costs to the bone; so resistant to warp and replacement that its economy defies comparison.

For interior use—for paneling, doors, baseboards, cupboards—for *any* kind of woodwork—Tidewater Red Cypress (Finish grade) creates a matchless glow of beauty, regardless of what finish you give it.

What amazing versatility! You can paint this Wood Eternal. You can wax it, stain it, char, varnish, sand-etch or leave it just as it comes from the yards—always with richly warm effects that age can only mellow.

Before you build or alter, by all means see your architect or lumber dealer. And then when you actually go to work, make sure that you are getting the *Finish* grade Tidewater Red Cypress—for *economy,* for *beauty,* for *versatility.* If your dealer is not stocked with this particular grade, he can get it quickly, or you can write direct to the Southern Cypress Manufacturers' Association, Jacksonville, Fla., or New Orleans, La.

TIDEWATER RED CYPRESS
[COAST TYPE]
THE WOOD ETERNAL

This advertisement is published by the following members of the Southern Cypress Manufacturers' Association, Jacksonville, Florida, and New Orleans, Louisiana

J. Ray Arnold Cypress Co., Groveland, Fla.
Big Salkehatchie Cypress Co., Varnville, S. C.
Burton-Swartz Cypress Co., Perry, Fla.
Cummer Cypress Co., Jacksonville, Fla.
Dibert, Stark & Brown Cypress Co., Donner, La.
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Putnam Lumber Co., Glenwood, Fla.
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Reynolds & Manley Lumber Co., Savannah, Ga.
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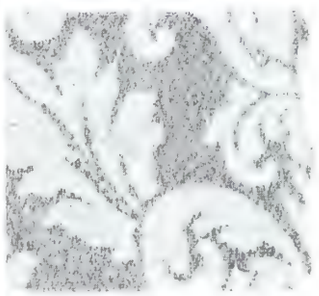


THE SOFT, CLEAR COLORS OF THESE DRAPERIES WILL NOT CHANGE . . . FOR THEY ARE MADE OF

ORINOKA SUNFAST



Colorful draperies in a large and sunny room; from the Orinoka booklet



GUARANTEED AGAINST FADING

PERHAPS you are choosing draperies now for a room which is large and sunny . . . a room which will need abundant color, but color with restraint . . . and a room to which color *permanence* is a major consideration.

The solution to this dilemma is quite simple. In Orinoka Sunfast Draperies, the colors . . . both the subtle and the brilliant . . . are unchanging. They are so guaranteed. They can be so guaranteed because of a special process of dyeing used only by The Orinoka Mills . . . a process in which our craftsmen have achieved a near-perfection.

You will like to identify for yourself the famous guarantee which is attached to every bolt of Orinoka Sunfast Fabrics: "These goods are guaranteed absolutely fadeless. If the color changes from exposure to the sunlight or from washing, the merchant is hereby authorized to replace them with new goods or to refund the purchase price." Note that these draperies are washable . . . additional proof of their excellent quality.

If you are interested in decoration, either period or modern, the coupon, accompanied by 10 cents, will bring you a color-booklet showing the arrangement of twelve distinctive rooms, and the name of a nearby dealer who will show you the fabrics in all their *real* beauty. The Orinoka Mills, 183 Madison Ave., New York City.

ORINOKA SUNFAST

Draperies . . . colors guaranteed sun and tubfast

THE ORINOKA MILLS, 183 Madison Avenue, New York City
Gentlemen: I should like a copy of the Orinoka booklet, "Draperies and Color Harmony." I am enclosing 10 cents.

Name _____
Street _____
City _____ State _____

LONG ISLAND says "TUTTLE & BAILEY" for smart RADIATOR CONCEALMENT

TUTTLE AND BAILEY RADIATOR CABINETS

TUTTLE & BAILEY
MANUFACTURING CO., Inc. (Est. 1830)
[illegible], New York City (Offices in Boston, Chicago, Kansas City, [illegible])

[illegible] booklet "New Accents in Radiator Concealment"

Name _____

Address _____

[illegible] ARCHITECT B

DIRECTORY OF DECORATION & FINE ARTS



ANTIQUE QUEEN ANNE CONSOLE TABLE OF CARVED PINE WITH MARBLE TOP

WALTER JOHNSON, Inc.
INTERIORS AND ANTIQUES
818 Madison Ave., New York City
Telephone, REgent 4-0098

IN holiday attire these small peasants skip about a beribboned Maypole. Merry-go-round fashion, the platform on which they stand revolves as a jolly tune issues from a concealed music box. In the foreground are place card holders that, with the music box, might set a child's party table. Of wood in bright peasant colors. Box, $15; holders, $1, each, Rena Rosenthal, 520 Madison Ave., N. Y. C.



"ALL the birds and the beasts were there"—smug, burnt-orange cats carved out of carnelian, small ivory elephants and large, their trunks up-turned for luck. Parrots of crystal sat on beautifully hand-carved teakwood perches, and a feathered brother from the barnyard, the rooster, strutted with disdainful mien near at hand. Some other denizens of this menagerie at the Yamanaka shop were made of amethyst and rose quartz. The plumage of some of the hand-carved ivory birds was in brilliant natural colors, put on by hand. Renewal of enthusiasm for the knickknack collection of the Victorian era makes these clever animals particularly interesting and most desirable. An individual and especially delightful group of the tiniest of the ivory animals might form the nucleus for a child's collection.

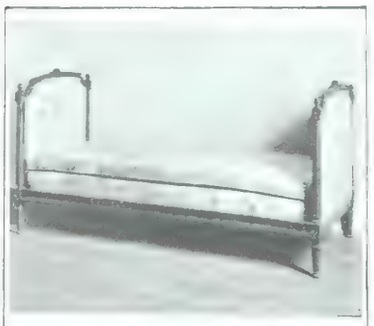


Chromium Metal Fish Book Ends
$16.50 per pair including postage

RENA ROSENTHAL
520 Madison Ave.
New York



MINIATURE mirrors were among the most charming decorative pieces produced in France during the reign of Louis XVI. They were characterized by the classic and rather feminine delicacy of general design notable in the reproduction at the left. Hand-carved, covered in gold leaf. Cream, Nile green, ivory, gray and light blue finishes also available. 33 inches by 18 inches, $25. Marc Peter, 185 Madison Ave., New York City.



French Day bed Complete $250
Frame in Muslin $140

Helen Graeme Hammond
AND
Margaret S. Taylor
INC.
350 Madison Ave., New York
•
Interior Decorations



THE CHARM OF CHINTZ

"The Chintz ... used to upholster that ... in a large bedroom ... Height 26". Width 26". Depth 32".

Chintz samples sent upon request

McPherson & Foot
Consulting Decorators
LAMPS : SHADES : FURNITURE
1043 Madison Ave. at 79th St., N. Y.

Brownell-Lambertson Galleries Inc.



"Circus Bowl" by Edward Hald—Orrefors

MODERN INTERIORS
DECORATIVE ARTS · SCULPTURE
PAINTINGS · SCREENS

106 EAST 57TH ST., NEW YORK



THE PEASANT

In simple vein, THE PEASANT bedroom suite, charming as its provincial prototype, is suitable for the house or apartment wishing to accentuate its quaintness. Adorable open-end beds and companion pieces in a variety of color blendings with antiqued finish make it truly personal.

Illustrations of most items can be ordered through your local Decorator or direct from

A Tone Poem

In grays or sepias is the ITALIAN LANDSCAPE, a scenic wall paper by Zuber & Cie, Alsace. What tranquil beauty lies in the lazy stream, and the shadowy grace of the trees that nod over a marble colonnade. A superb background for the beauty of fine furnishings.

A Lovely Garden

In the south of France inspired THE CAPUCINE, a chintz by Paul Dumas, Paris. Just as a charming lady might arrange them in a basket the poppies, larkspur, snapdragons in bouquet colors. On luscious backgrounds of peach, fawn, aquamarine, azure and [illegible]

A. L. DIAMENT & CO.
Importers, Jobbers, and Retailers of Interior Furnishings
101 & 119 Park Ave., New York 1515 Walnut St., Philadelphia
Sole American and Canadian Agents for ZUBER & CIE, ALSACE, *and* PAUL DUMAS, *Paris*

ORIGINATORS AND DESIGNERS OF RUTLINS GARDEN FURNITURE



[illegible] WROUGHT IRON SEAT WITH IRON MUSHROOM [illegible]

RUTH COLLINS INC
INTERIOR DECORATOR
23 East 64th Street
New York
REgent 4-6600

DIRECTORY OF DECORATION & FINE ARTS



Colonial Octagon Lantern: unpolished brass for light fixture to suit; but pewter finish for electricity. $8.50 prepaid.

ADOLPH SILVERSTONE, Inc.

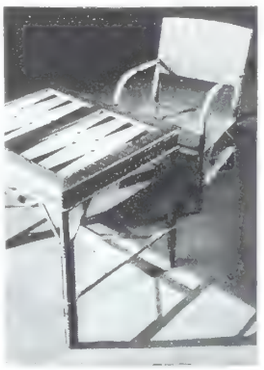
21 Allen Street New York City



THE man who valets himself will find this piece a decided boon. It inspires precise and orderly disposal of every article of apparel. There is a hanger for the coat, and trousers hang unwrinkled on one of the rods. Neckties, socks and shoes have allotted spaces and the top tray takes wallet, keys, commutation ticket and other objects which occupy men's pockets. Maple, mahogany, oak, walnut finishes or unfinished. 50 inches high. $18. Philip Hall, 38 East 49th Street, N.Y.C.

OPENING and closing houses has been converted into a series of scientific operations that form the basis of an important new household service. Country and town houses and apartments are systematically cleaned and the contents repaired, packed and stored. Work is done by experts and includes carpentry, plumbing and electrical restorations. Arrangement of furnishings previous to closing is noted on a chart to facilitate rearrangement when the house is reopened. If the owner desires, the house may be completely redecorated in his absence, according to his own plans or those of a specialist who supervises the work. This organization is under the management of Jeannette Egerton Brown and Florence B. Kroger.

THE newest thing in rattan furniture is a set of backgammon table and chairs. The smart appearance of these pieces is due to skillfully placed lines and good color. The playing field of the table is cork marked off in red and green. Chair backs and seats are of woven red and green rainbow cane which also decorates the table. Table $80. Each chair, $80. The Reed Shop, Inc., 117 East 57th Street, N. Y. C.



PEASANT FURNITURE FOR THE COUNTRY



simple—gay—practical
ideal for summer
Pine Finish or Colors

Send for booklet 66

CHILDHOOD, INC.
FURNITURE FOR CHILDREN
3– EAST 65TH STREET
NEW YORK



English XVIII Century Grouping

HARRY MARTIN YEOMANS
STYLIST AND DECORATIVE ART CONSULTANT
(Formerly "Helpmeet" Studio, Washington, D. C.)

After many years practical experience in Interior Decorating and buying of Antiques, Reproduction Furniture and kindred decorative objects, offers his services to manufacturers of Home Furnishings as stylist and decorative art consultant.

Decorative surveys made for department stores

11 East 44th Street, New York
(Mohawk 4-5241)



CHARM BEAUTY

PERFECT COMFORT

UPHOLSTERED FURNITURE
that represents the highest grade of construction . . . with a distinctiveness that is instantly recognized and appreciated by lovers of fine furniture.

Direct From The Shops To You

SEND FOR CATALOG SHOWING COMPLETE LINE

HEINRICH SHOPS, UTICA, N. Y.

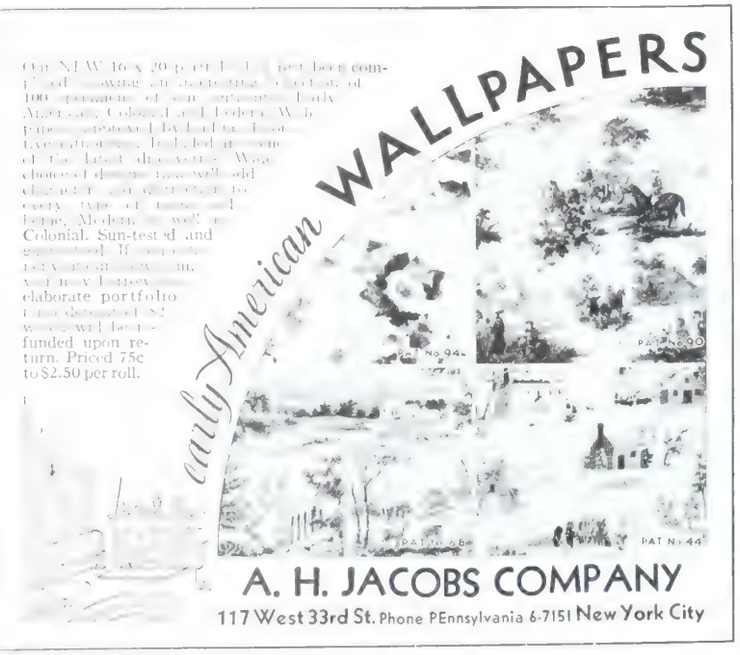
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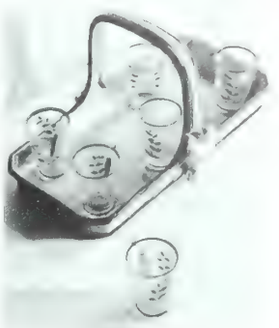


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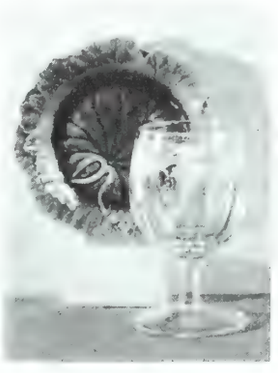
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TO hang its walls with sculptured plaques is an interesting way of decorating the garden. The flat surfaces afford an ideal background and permit of an endless variety of treatments. All types of walls in any part of the garden—on the terrace or beside a pool—may be adorned in this manner. A set of four plaques, cast in wood pulp and representing the four seasons, is especially appropriate to garden decoration. Each is in the form of a square with cut-out circular center. Thus a female figure in each, holding the symbol of the season represented, is most effectively silhouetted against the rough surface of the wall. These sculptures are finished in a metal and patina-like green combination. They are the work of Rachel M. Hawks and may also be had cast in lead.



THIS goblet is especially interesting as a replica of old Waterford glass—distinguished by its large size and unusual weight. 7⅛ inches tall, decorated with a grape design. The soft green grape leaf which forms the accompanying Wedgwood salad plate emphasizes the border motif of the glass. Glass, $24 per dozen. Plate, $16 a dozen. Mayhew Shop, 603 Madison Ave., N.Y.C.



"Boy With Shell" *Height 48 inches*

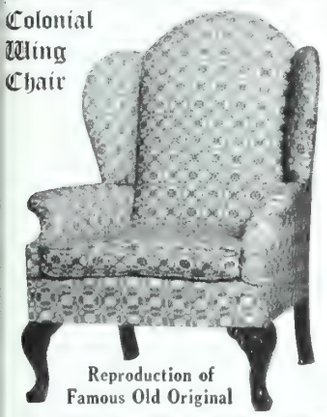
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No. 1701
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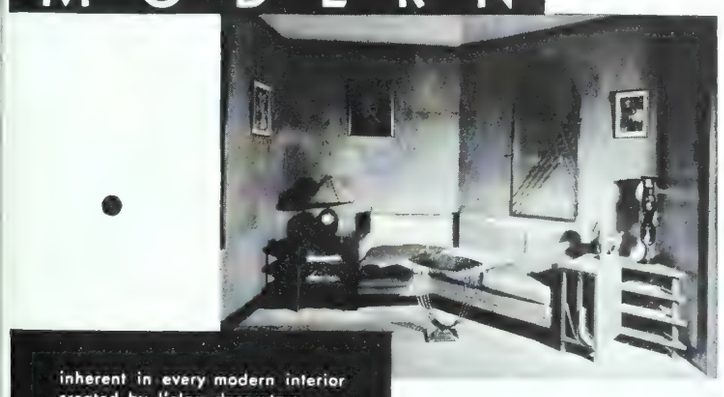
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shapes these sweet-meat jars
are lovely candy or mint jars. 500
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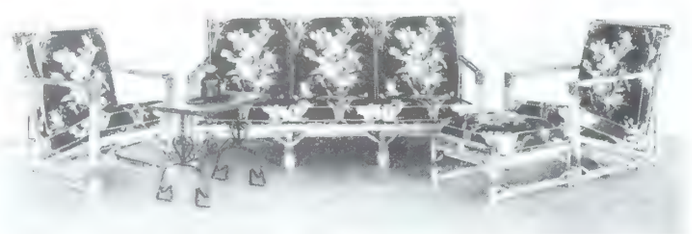
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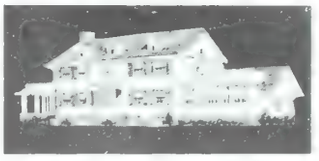
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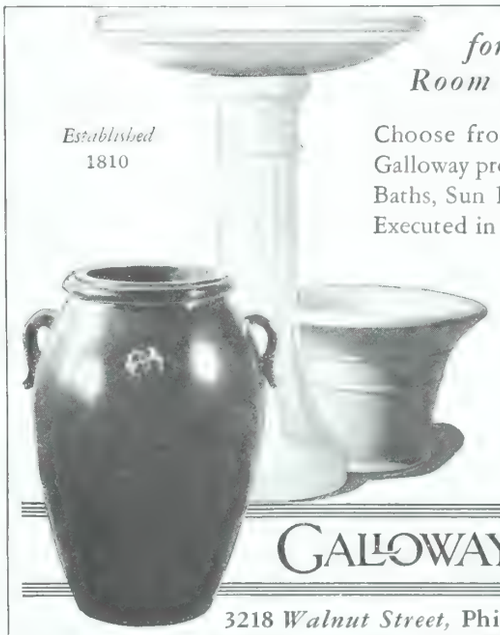
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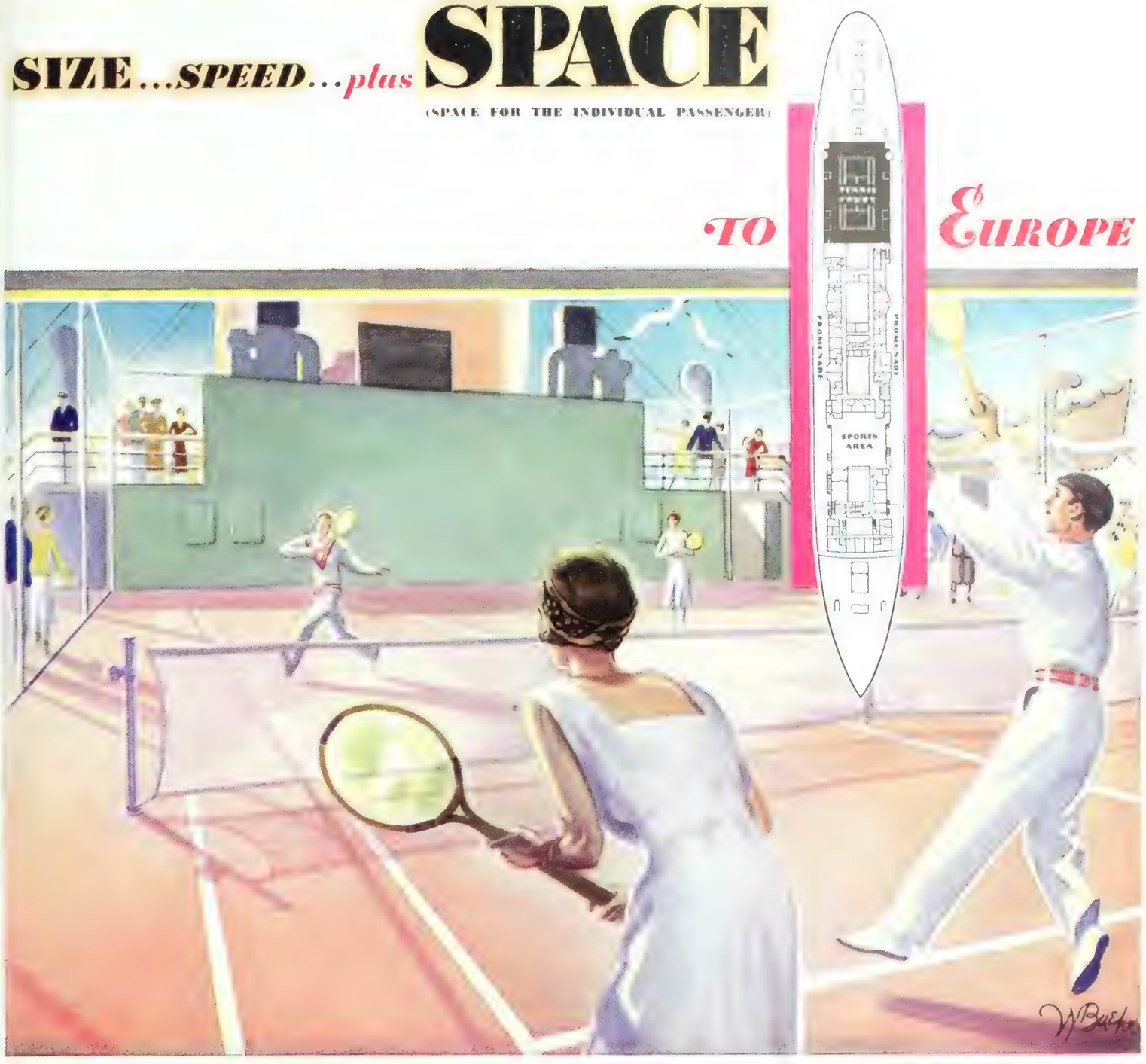
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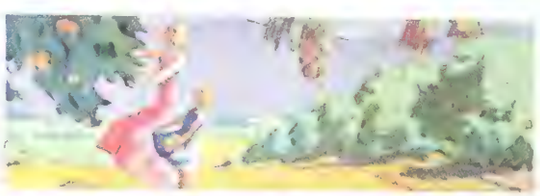
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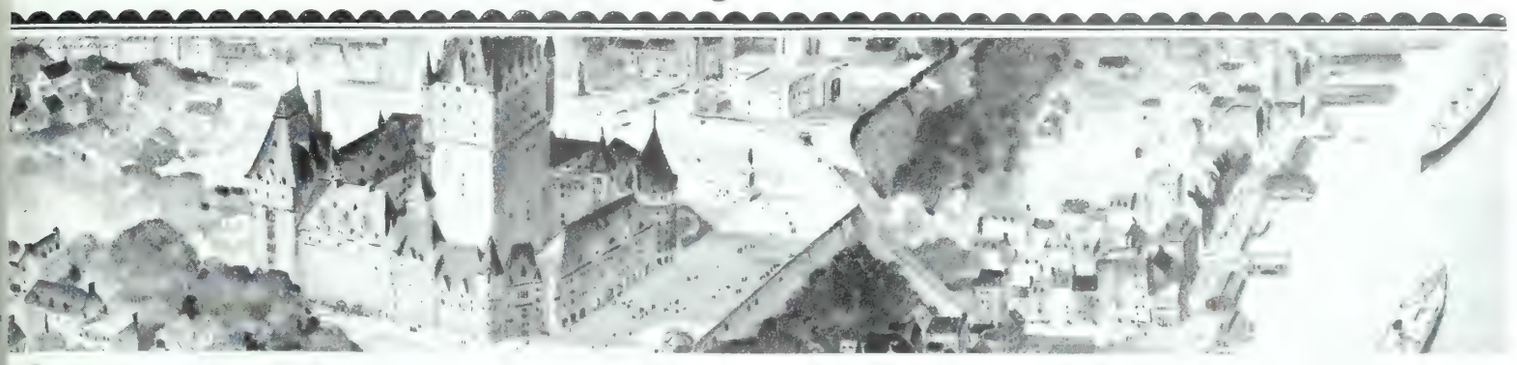
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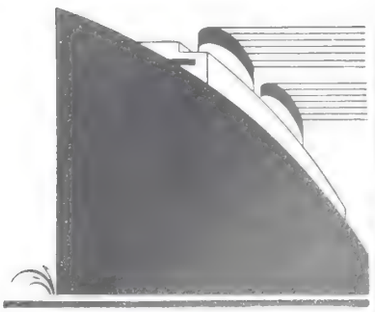
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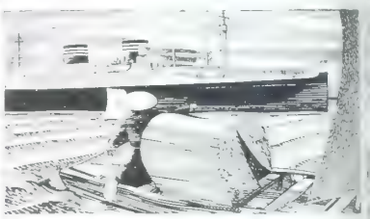


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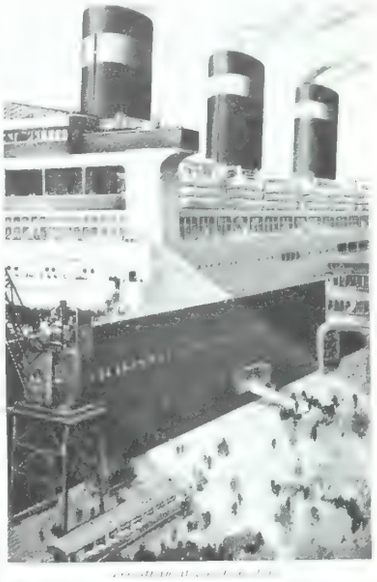
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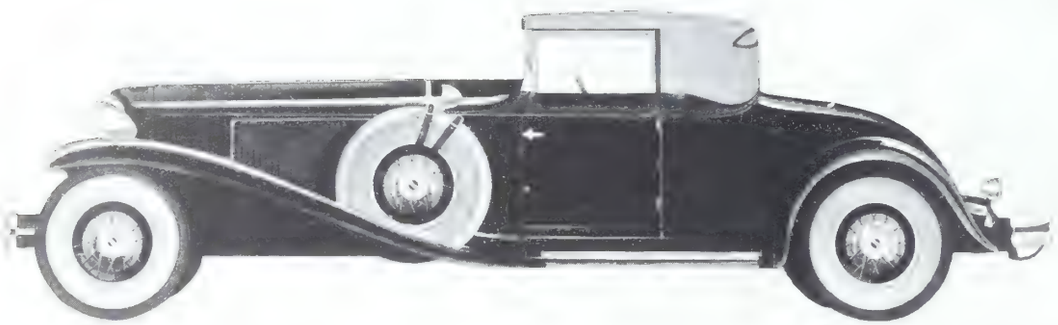
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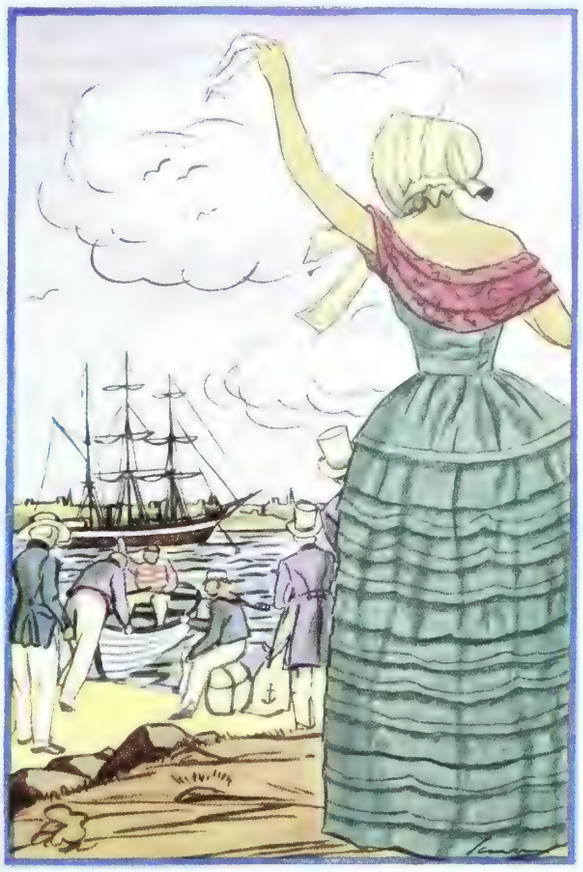
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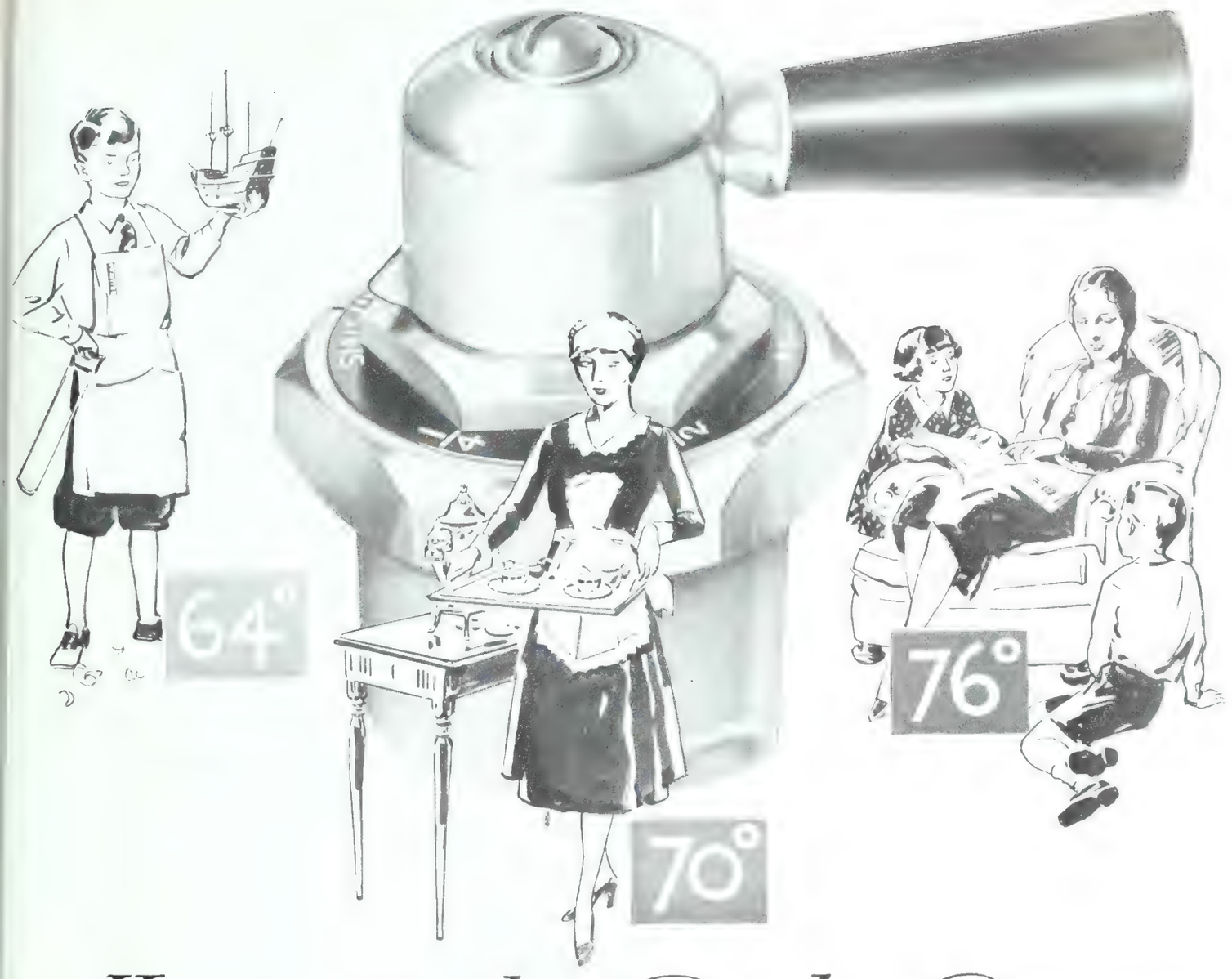


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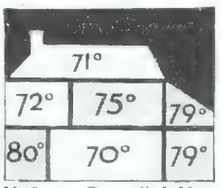
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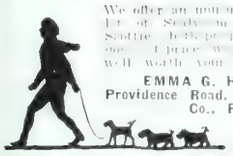
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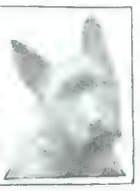
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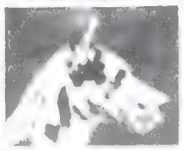
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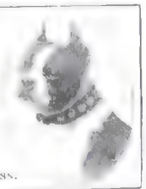
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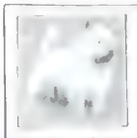
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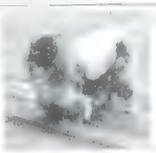
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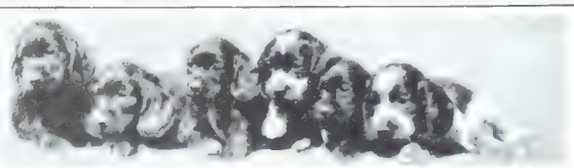
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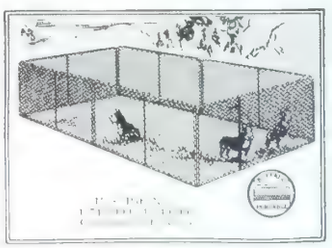


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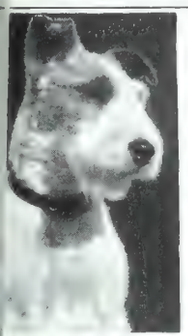
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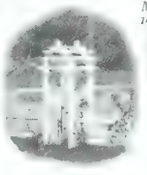
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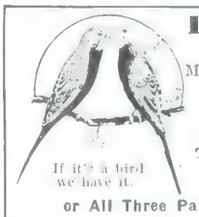


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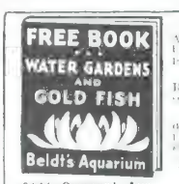
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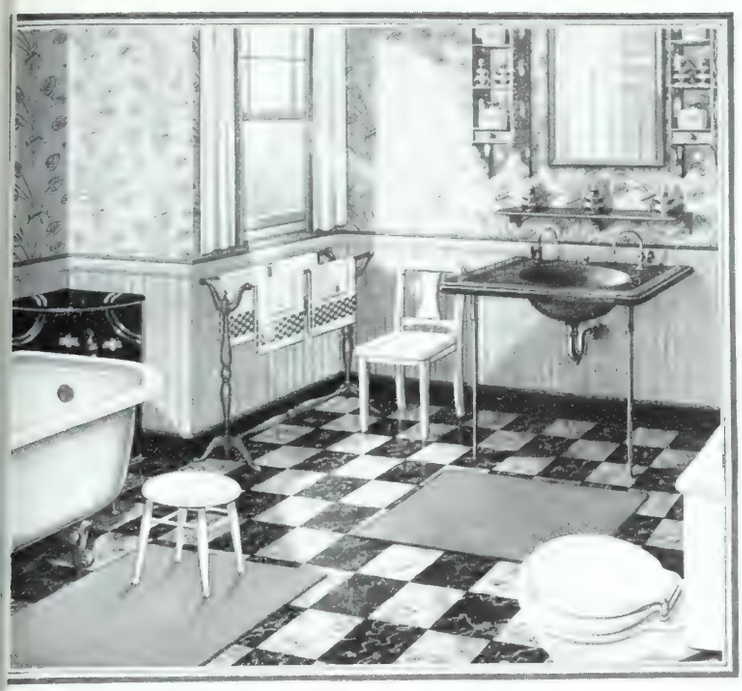
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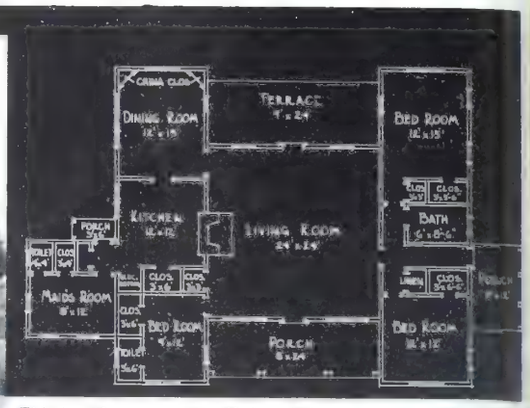
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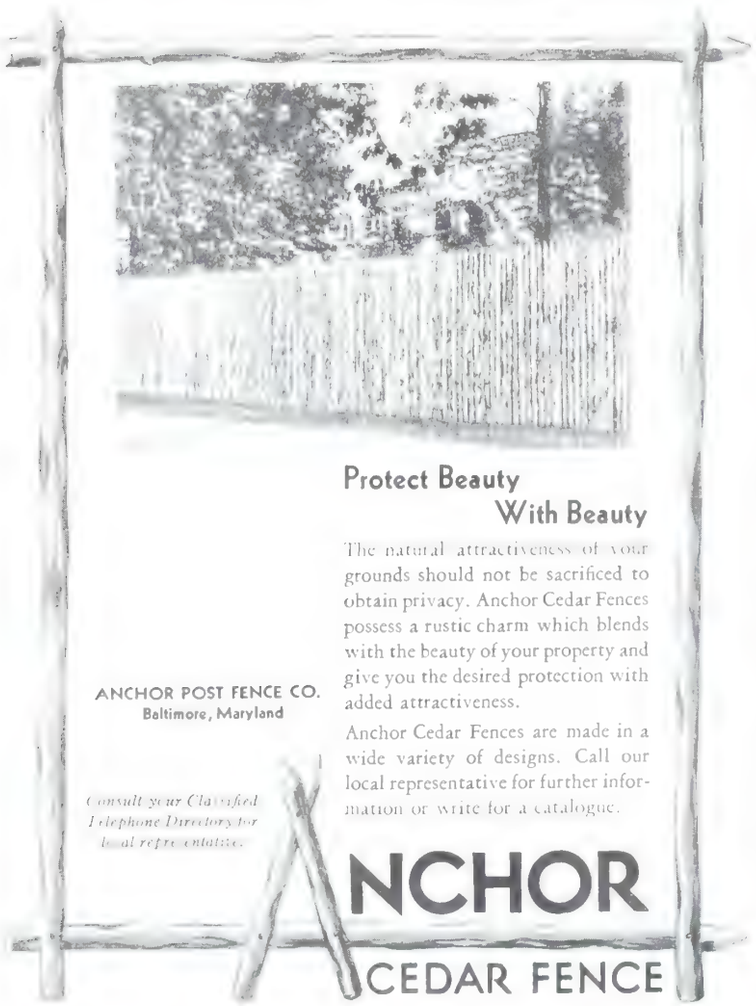
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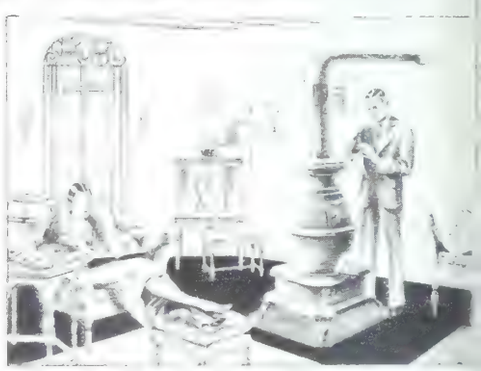
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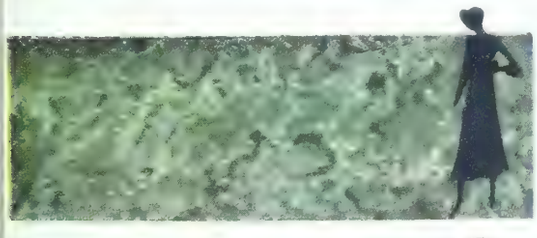
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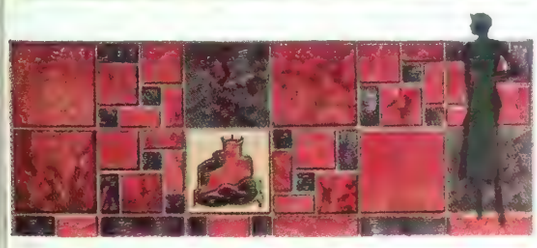
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(*Left*) "DELPHI" (No. 2952) one of the six Veltones, the new-type flooring. Veltones are exclusive Sealex products. (See description, lower right panel.)
(*Below*) "CASTLE" (No. 3534) a rich embossed pattern with novel insets.

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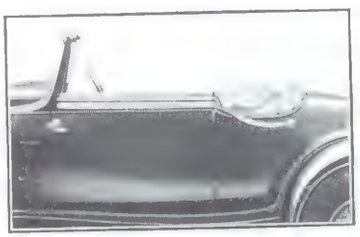
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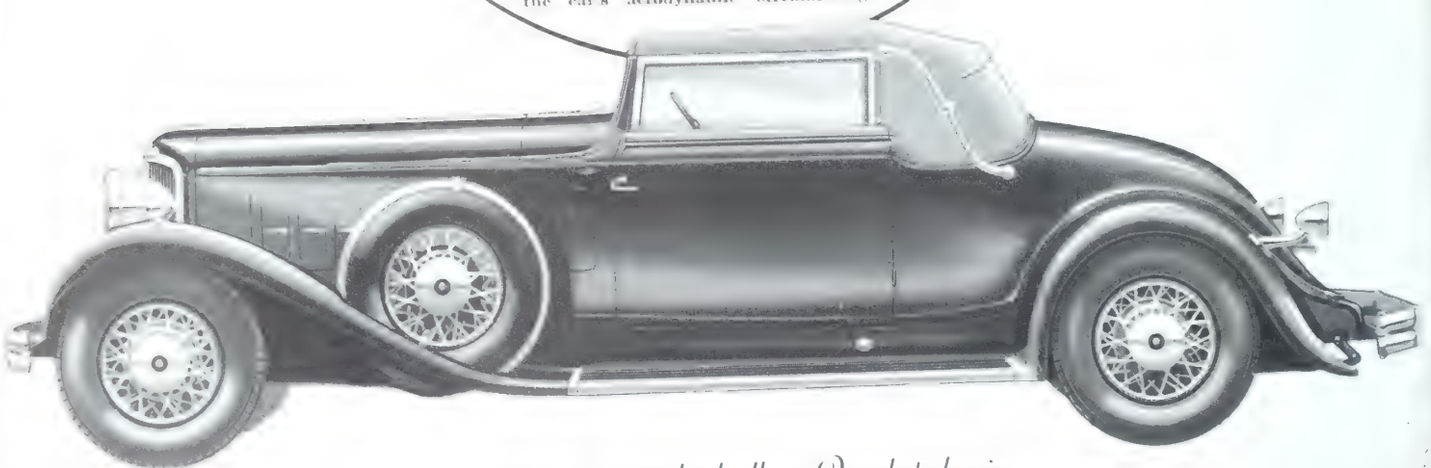
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May 1931

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WHETHER architecture is learning to come into the garden or gardening has plucked up courage to mingle with architecture is a question receiving much attention. One thing or the other is taking place, for more and more the two arts are approaching each other in actual practice.

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The West's tribute to Motherhood—"The Pioneer Woman" by Bryant Baker, at Ponca City, Oklahoma. © Reinhardt Galleries

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MOTHER

Her Day, May 10th

Mother is really a young girl at heart. Whether she be eighteen or eighty, on her day give her gifts you would a debutante.

We suggest Whitman's Sampler — from the 17-ounce package all the way up to the great five-pound box. It is a gift of charm and sentiment, yet ultra modern, with a touch of auld lang syne.

The Sampler will please any mother. We have dressed it for Mother's Day with a greeting card on the 17-ounce and the two-pound sizes. Look for it in the stores that display the Whitman's signs.

For name of nearest dealer look under "Whitman's" in Bell Telephone Classified Directory. Any telegraph office will take your order with cash for Whitman's Candies, transmit the order by wire, and deliver the desired variety by uniformed messenger anywhere in the United States.

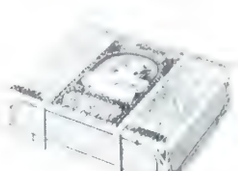
Give

Whitman's

Chocolates and Confections

Salmagundi

A favorite Whitman assortment in a charming art metal box, enjoyed long after the chocolates are eaten.



Prestige Chocolates

Whitman's de luxe assortment of hand-made chocolates packed in a beautiful metal box of unusual shape.



Mother's Day Package

Another delightful assortment of Whitman's, with a handsome carnation especially to celebrate Mother's Day.



The BULLETIN BOARD

For garden clubs. In February, 1916, Mrs Francis King wrote an article for House & Garden on "How To Form A Garden Club In A Small Town." This we have reprinted several times and distributed hundreds of copies. It has doubtless proven an influential factor in the rise and development of the small club. We will now suggest each month, on the Bulletin Board, topics for papers and discussions that might aid those who make programs for garden clubs, to give variety and added interest to the meetings.

Personalities in programs. While, to be of genuine service to its members, the garden club program should be kept practical, it can be lightened now and then with personalities. Say one personality each month. Here are four—Jean de la Quintinye, 1626-1700, the greatest fruit and kitchen gardener who ever lived; William Robinson, the grand old man of English gardening, who led us out of the slough of carpet bedding to the delights of the mixed herbaceous border; Bertrand Farr, the merchant in musical instruments, who became so captivated by flowers that he abandoned his business, established a nursery, and during his later career hybridized some outstanding Irises; Kaempfer, the German physician who gave the world its first glimpse of Japanese plants.

Take up one personality at each meeting, and the members will more easily survive the necessary but often dreary papers on plant diseases.

Heating rumors. The ingenuity of manufacturers of building materials and of gadgets and mechanisms to make home life and work easier seems inexhaustible. Each month we have been describing them, and each month more appear. The rumors are legion!

The most startling rumor we have heard is concerned with a revolutionary heating process that is still in its swaddling clothes of experimentation. The metal base on which wall plaster is laid may eventually provide wiring for a heating system. Heat would come from the warm walls.

Country place names. We often wonder how the English find the delightful names they give their country places. Many are the quaint remains of old words. The word "field"—an ancient word—gives them Oakfield, Rushfield, Pathfield, Broadfield and Badger Woodfield. Sometimes they make it plural, as in Beechfields, or reduce it to Little Elmfields. From the old word "Leaze," meaning a pasture, they get Crooked Leaze and Hazel Leaze. Tyning, which means a hedged field, creates such names as Upper Tyning, Lintyning (a flaxfield), or they tag on the owner's name and have Robin's Tyning. Croft, an enclosure, gives them Moorcroft, and Bicroft, meaning two fields. Other old words are Acre, Gore, Mead, Furlong, Barton and Lons. A Barton is an enclosure for hayricks and a Lons is a forest glade.

FOXGLOVES AT BALHOLM

I quit the city and the city smells
For I am dead down in the foxglove bells
Body and soul and the rest of me
Followed the flag and the bag of that bee—
Followed where he hollowed a purple heart
With a pirate's frenzy and a surgeon's art.
I have stabled my horses in Aphrodite's palace.
But never have I slept like that prince in his chalice;
I have chinked wine glasses with the Chan of Tartary,
But never such wine as the wine of that bee;
I have thumbed with Midas through a golden sack,
But never such gold as the gold on that back;
I have turned yellow pages for the Lord Solomon,
But the bee is privy to the secrets of the sun;
The bee reads his fables printed in gold
When the Sphinx was indentured, his alphabet was old. . . .
I would give up twenty heavens, I would go through forty hells
For one hour with His Humbleness head-down in purple wells.

—Joseph Auslander

Small objects. One of the remarkable facts that can be observed in New York shops is the abundance of small decorative objects of good design and interesting character. There never were so many on display and dealers have enjoyed a healthy sale of them. They are not merely knicknacks with which to clutter up the house; many are objects of genuine virtue. The popular demand for such things by no means indicates a lowering of the standard of taste, as some may fear.

PASTORAL

The broad mustard field wears a luminous sheen,
And the far blue cordages spirit in between
The rocketing lark strings his bubbling notes
On a silver thread, o'er a field of oats.

The plowman tells a chocolate furrow—
He tells me it will rain tomorrow.

—Roma Coolidge Mulvihill

Wicker reborn. For a long time porch and terrace furniture was content with old designs. Today it has been stimulated into new life by the virus of modernism and new materials. Never have there been such good designs in outdoor furniture, such a variety of fresh materials used in such interesting colors. Consequently, the sun room, the terrace and the garden can all share this reborn al fresco furniture. Nor is it beyond the realms of taste to furnish much of the seashore and country cottage in these new pieces. Fabrics with which to make pillows and cover seats are equally gay and modern.

Books for china collectors. Continuing House & Garden's monthly bibliography, we suggest for collectors of China the following books: *Marks and Monograms on [illegible]*; *Dictionary of Painters and Painting on Porcelain and Their Marks of Each Manufactory*; W. Chaffers. *Porcelain, Oriental, Continental and British*; R. L. Hobson. *Old English China*; Mrs. W. Hodgson. *A History and Description of English Porcelain*; W. Burton. *A Brief History of Old English Porcelain and its Manufactories*; M. L. Solon. *Chelsea Porcelain*; W. King. *English Pottery and Porcelain*; E. A. Downman. *The First Century of English Porcelain*; W. M. Binns. *Spode and His Successors*; A. Hayden. *Worcester Porcelain*; R. L. Hobson. *A Century of Potting in the City of Worcester*; R. W. Binns. *The Cheyne Book of Chelsea China and Pottery*; R. Blunt. *The Pottery and Porcelain of Derbyshire*; A. Wallis and W. Bemrose. *Longton Hall Porcelain*; W. Bemrose. *Bow, Chelsea and Derby Porcelain*; W. Bemrose. *Chats on English China*; A. Hayden. *The A B C of Collecting Old English China*; J. F. Blacker. *The China Collector*; H. W. Lewer. *A History and Description of French Porcelain*; E. S. Anscher. *Pottery and Porcelain in the United States*; Dr. E. A. Barber. *La Manufacture de Porcelaine de Chantilly. Histoire des Manufactures Françaises de Porcelaine*; Comte de Chavagnac. *Les Origines de la Porcelaine en Europe*; J. C. Davillier. *Porcelain*; E. J. Dillon. *The Soft Paste Porcelain of Sèvres*; E. Garnier. *Dictionnaire de la Céramique*; E. Garnier. *Chinese Porcelain and Hard Stones*; E. Gorer and J. F. Blacker. *Chinese Porcelain*; W. G. Gulland. *Royal Copenhagen Porcelain*; A. Hayden. *Porcelain of All Countries*; R. L. Hobson. *History of the Coalport Porcelain Works*; F. W. L. Jewitt. *Pottery and Porcelain*; Frederick Litchfield. *A History of Pottery and Porcelain*; J. Marryat. *History and Description of Chinese Porcelain*; W. C. Moukhouse. *Lowestoft China*; W. W. R. Spelman. *Continental China*; C. H. Wylde. *China Collecting in America*; Alice M. Earle. *Old English China With American Views*; E. A. Barber. *The Old China Book*; N. H. Moore.

Trends. Among the trends that can be observed is that the large sofa has had its day and the small sofa is now coming into great popular favor. The small apartment and house room has made this necessary. In fact we are scaling down all our furniture pieces from the almost gigantic size of the past to the smaller, easier-moved and more intimate proportions that better harmonize with modern apartment living.

This spring has seen an amazing flood of good new wall papers on the market. In addition to the old established wall paper houses, there have sprung up a number of alert, small, exclusive manufacturers and importers whose wares may be favorably compared with the offerings of the best specialty houses of Europe.

Lemon cheese. Did you ever, in your peregrinations abroad, penetrate to the County of Yorkshire, from where the famed puddings come, and where Charlotte Bronte was born? If ever you went to tea there (and particularly to a funeral tea—where one always put one's best foot forward to beat the mourners better than old Mrs. Gill did at poor Jim Gill's funeral), you will have tasted lemon cheese tarts. Here is a kind reader's recipe for lemon cheese:

[illegible] cups butter, [illegible] cups sugar, 6 well beaten eggs, and juice and grated rind of four lemons. These are combined in a double boiler and cooked until thick as honey. Make tart shells, puff pastry being for company, plain pastry for just the family, and as they come piping hot from the oven put a tablespoonful of lemon cheese in each of them. It is also very tasty if only spread out on bread and butter.



Where iris grows beside the still waters

When [illegible] the crown of the old elm [illegible] a path. Mixed planting serves as a pleasant walk from which one can look far up the wooded pond toward the boathouse. The low solid sapling fence at the left serves alike as a screen and a guard against the steep declivity

House & Garden

The reclamation of an old mill in southwest Connecticut and its conversion into a year-round house of exceptional charm

IN the year 1788 a certain small stream that chuckled seaward among the pleasant hills and valleys of lower Connecticut took unto itself a new importance and became a part of the official records of those days. Neighborhood folk had long been familiar with it—doubtless had taken many a speckled trout from out its clear waters—yet until then none had thought of it as having tangible legal value.

But times were changing and streams were beginning to assume the dignity of property, with all the responsibilities that pertain thereto. So the little river became the subject of discussion and in due course men sought and obtained by constituted authority the right to utilize its waters for such purposes as might be granted them. Thus there came into being a dam that deepened the brook to a sizable pond, and a mill rose beside the overflow so that on quiet days you could have heard from the nearby valley road the busyness of primitive machinery grinding grain. There came, too, the first wood-turning lathe in the history of the State, and a little iron foundry—three simple industries beneath the single roof.

LOCAL history does not record the ultimate adversities of that old mill, but the framework of the picture is not hard to reconstruct—the shift of population and occupation, the advent of newer and more efficient machinery, finally the abandonment of the building as a commercial enterprise. Slowly, then, the dam weakened, the sturdy wood of the mill gave way before the dual forces of time and the elements, and at last little was left save an abandoned ruin and, among some of the old farmers round about, recollections of a brighter past.

Such were the conditions when Mr. Miller, the present owner of the old landmark, came upon the scene a few years ago and saw in it the opportunity for which he had been searching. Of what that opportunity was, and how successfully Mr. Miller developed it into reality, the illustrations on these pages are convincing evidence.

In his restoration plans the new owner determined to adhere strictly to the lines and dimensions of the original building, recapturing as fully as might be the feeling of the mill in its prosperous days and at the same time creating a thoroughly livable, modern and year-round home.

So the first step was to make a complete set of measurements, for which, fortunately, enough of the old structure still stood. So far had disintegration progressed that not a single timber of the original building was sound enough to use in the new; even the foundation had to be fully rebuilt. But with the detailed measurements and photographs of the neglected structure and its surroundings as guides Mr. Miller got the work under way, literally from the ground up.

TODAY, as you turn off from the old valley road (a concrete highway, now, with motor cars rushing past at fifty miles an hour) and follow the winding track to the mill the transition is almost startling. Within a hundred yards you are in the back country—as well a thousand miles from New York as the sixty or so which the speedometer shows. Quiet trees, bird songs, and suddenly, on the right, the soothing, incomparably peaceful sound of water dropping from a dam into a shaded pool.

That is the all-pervading spirit of the Miller place—the voices of the waterfall. As they spelled the very soul and being of the mill a hundred years ago, so today they are the gently dominating background against which the whole picture is painted. In the quiet of the lofty beamed living room, on the terrace and among the neat borders of the garden, at breakfast there where once men labored over their iron castings and again on the Iris-edged walk which traverses the crown of the old pond embankment—everywhere is that friendly, homely, reassuring sound. Through it the measured cathedral chiming of the tall corner clock upstairs comes like a benediction.

TURNING an ancient mill into a house generally means losing most of the old spirit or, if that is saved, creating what is at best a makeshift home. But Mr. Miller avoided both these errors with conspicuous success. He resorted to no such obvious devices as a more or less faithfully copied but utterly useless mill-wheel stuck on the end of the building and artificial cobwebs built into the corners. Rather are his effects achieved by the accuracy of line and proportion in the structure itself, the universal use of natural wood inside and out, the simplicity of the planting and, perhaps more than any other one factor, by the striking appearance of age which, within only two years, the roof and exterior walls have assumed. By using exceptionally heavy hand split shingles, with all their inherent surface irregularities caused by grain, knots, etc., a close approximation of warping was obtained. When exposure has completed their weathering they will have all the textural appearance of very old shingling, with none of its defects. No paint or stain has been used anywhere on the exterior, so that when the elements have finished their coloring it will be universally harmonious.

ON the side of living comfort and convenience, every facility has been provided. The house has a vacuum heating system utilizing oil as fuel, and it is completely electrified throughout. A filtering system handles the abundant water supply which is drawn from the pond.

Mr. Miller was his own architect and decorator, and throughout the house he has given full expression to his love of wood as an intrinsically beautiful material. In the living room especially an extremely pleasing effect has been achieved with exposed beams, pine walls and oak floors, accented by a black walnut mantel of unusual beauty and simplicity. The leaded casement windows here, as in other parts of the house, were copied from an old set exhibited in the Metropolitan Museum of Art.

The restfulness and wholesome ease so apparent indoors are but a reflection of the surroundings in which this unusual home has grown up. From an informal flagged terrace at the rear one looks out across a little square, immaculately kept garden to deep woods through which, here and there, a vista opens to the calm waters of the pond. To the west the hills rise sheltering, friendly as only Connecticut hills can be. They seem to look down with approval on this rebirth of the old mill which they watched so long.





THE dining room on the lower level at the pool end of the house, is finished in pine and oak and is strongly Early American in character. This view toward the south suggests the pleasant outlook over the small entrance lawn. Slight tint variations in the old window glass give to the casements especial interest

FROM the dam at the lower end of the pool, which was once the tail-race of the old mill, stone steps lead up to a tiny lawn terrace and the simply treated house entrance, with its flanking settles. Under the overhang at the right are the garage doors, carried out in the same spirit as the rest of the exterior features

ON the opposite page is the fireplace end of the living room in this home of Nathaniel L. Miller at Ridgefield, Conn. The owner of the place was his own architect and decorator and has invested the whole place with a quite unique personality. Pine and oak for walls and floor were used here with telling effect

Wood for interior pattern and color





Where the tall wheel of earlier days splashed into the hurrying mill-race

Just below the dam Mr. Miller built a pool whose water laps the very foundation of the house. The windows of the dining room can be seen here and, on the second floor, those of the living room with its little bay jutting out over the pool. The lines of the original building have been closely followed, including the odd over-hang which is so effective a feature of this end of the house. In the background is the fence which screens the walk on the dam's crown



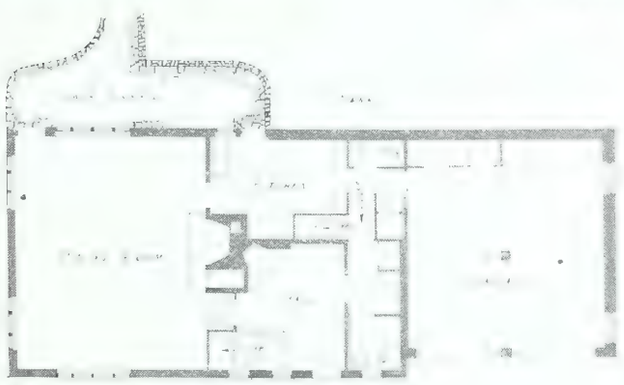
WHEN the present owner first found the mill it was in the sad state of dilapidation shown above. Enough remained to allow the making of a full set of measurements, but that was about all. Not a stick of the original wood was sound enough for use in the restoration

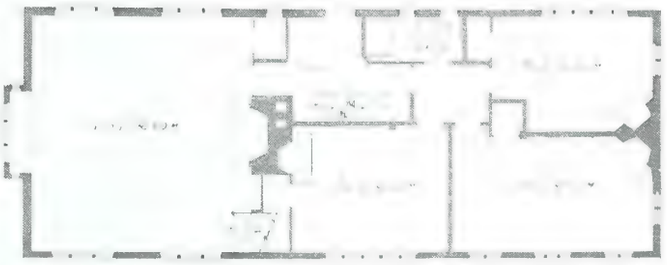


ON the right is the remodelled place as it appears at the present time, photographed from the same angle as the view at the top of the page. Close comparison will disclose how faithfully the proportions of the old mill have been adhered to. The fence borders upon the roadway

THE different levels of the first floor, as shown in the plan directly below, are particularly interesting. From the main entrance hall three steps lead down into the dining room, which is on the same level as the kitchen and opens directly to the lower terrace

ON the second floor are the living room, three small bedrooms, and a bath. From the hall a door opens directly out upon the main rear terrace, some ten feet higher than the one that is shown in the first floor plan. The servant's quarters are above the old bedroom,





House & Garden presents a plan to increase building and speed prosperity

The surest road to a nation's prosperity is the widespread building of new homes. The home is the basis of our national economy, and, next to agriculture, the building of homes is the most fundamental of all our basic industries. Upon it depend scores of building trades and the sales volume of hundreds of manufacturers.

This spring, as every year, young couples are eager to build or buy their own homes. If even a comparatively small proportion of them would do so, the resulting purchases of the things that go into the building, buying, furnishing and decoration of homes would be incalculably stimulating to all industry, and striking evidence of our economic vitality. But times are still troubled. There are many thousands of young couples and young families who, this spring, will come right up to the jumping-off place and, through lack of encouragement, fail to take the plunge—unless something develops to screw their courage to the sticking point.

Suppose that in every community the local newspaper editors, the local bankers, women's clubs, the heads of the department stores, and the leading architects, builders, contractors and large real estate operators met together as a ways and means committee for the purpose of stimulating residential building in their own community. If their efforts were successful, they would all profit by it. More important, they would render a public service of incalculable value—economically and psychologically.

Suppose the newspaper editors sounded the cry, week in and week out, "Now is the time to build", and the further cry, "Let us do everything possible to make building easy for worthy people in our town." Suppose the bankers let it be known that families of good repute who wished to build would be accorded long time credits, on easy terms. Suppose the department store owners featured in their windows and in their advertising, the merchandise suitable for the furnishing, equipping, and decoration of homes, and added their voices to the "Build Now" campaign. Suppose builders moderated their prices in order to stimulate a larger volume of business. Suppose contractors geared themselves to a period of smaller profits in the interests of a larger volume of work—all to their ultimate advantage. Suppose builders and contractors and real estate operators granted easy terms to those eager to buy or build houses.

Suppose, further, that newspaper editors, women's clubs, chambers of commerce and service clubs of all sorts and city officials joined with the more directly interested elements in making the "Build Now" movement a civic crusade in the interests of the common good. What would result?

There would be a revival of residential building on a national scale which would do more to bring back good times than all the loudspeaking between Washington and San Francisco. Hundreds of thousands would find new employment; the building trades and the real estate business would profit greatly; department stores and shops would sell an enormously increased volume of all kinds of merchandise to go into new, remodelled or renovated homes; newspaper advertising to the new generation of home owners would profit newspapers; [illegible] would be sold, more automatic refrigerators, more furnaces, stoves and oil burners, more of many things—and, most important of all, a new spirit of optimism would fill the air, speeding prosperity.

To this crusade for more and better home building this year House & Garden has a contribution to make.

For two years House & Garden has worked on the idea for the much needed small house, charming and inexpensive in itself, but which (as the family grows and the need for more space becomes imperative) may readily be added to. House & Garden has long deplored the fact that thousands of young families living in lovely small houses in fine, restricted neighborhoods are compelled to move because their homes were not designed for the addition of new rooms or new wings. Moving from a small home into a larger home and then to a still larger home is the typical American progression. It defeats the sense of home and permanence so important to children, so important to us all. Something *should* be done about it, and House & Garden has *done* something about it. House & Garden has prevailed on Leigh French, eminent New York architect, to design a small house that can be added to. House & Garden has appropriately christened it "The House That Grows." The result is a small, inexpensive home which, as it stands, is thoroughly charming. Today it is a small two-story home; ten years hence it can be made into a large home.

House & Garden will furnish blue prints of "The House That Grows" free—to any responsible civic building committee or any firm or individual on proper assurance that they will begin building a house *this year*.

In the June House & Garden exterior views in color of "The House That Grows" will be featured, showing the house as it looks when first erected, and as it will look when additional wings are built.

In the July and August House & Garden interior views of "The House That Grows" living room, dining room, bedroom and, perhaps, kitchen—also in color—will be shown. Each room will be shown furnished and decorated. House & Garden will specify the furniture and merchandise required for each scheme of decoration, giving the costs involved. Only furniture and merchandise which is nationally available will be specified.

During the coming months House & Garden will show a great variety of other small houses which are suitable for erection in many parts of the country.

Department stores in various cities have already agreed to feature in their advertising and in their window displays the merchandise that is listed and described in the July and August issues of this magazine.

During the months to come House & Garden will report the results of its "Build Now" campaign in these pages. Now, then, is the time for the readers of House & Garden, women's clubs, the chambers of commerce and the newspapers of the country to get behind such a move. If properly sponsored and backed by organized effort and real teamwork, this "Build Now" campaign will help to solve the unemployment problem. It can be done! What will our readers do to help?

Richardson Wright



Anton Bruehl

This sparkling breakfast table is a symphony in varied tones of white

From the creamy Wedgwood of its cups and saucers to the milky tone of the old Sandwich glass and nodding Lilies of the Valley, this country breakfast setting is carried out entirely in shades of white. The lace-like plates and the amusing covered dishes in naïve forms of battleships, Generals and setting hens are opaque Sandwich glass, sometimes called milk glass. The goblets are reproductions of an Early American design, and the flat silver, from E. Schmidt and Sons, is also of this period. This sparkling symphony in white was arranged by Rose Cumming





Summer drinks are served in colored glass

The [illegible] Contemporary glass is the left-hand one of the smart set of four notes pictured in the contemporary decoration—black and white. The graceful fluted bowl and the [illegible] footed goblet are of opaque glass [illegible] in a soft ivory shade. A larger bowl is also available in this pattern, as well as glasses of various sizes. The decorative pears and apples in the bowl are of shiny fruit glass and the dessert set has black glass handles. All pieces from B. Altman & Company.

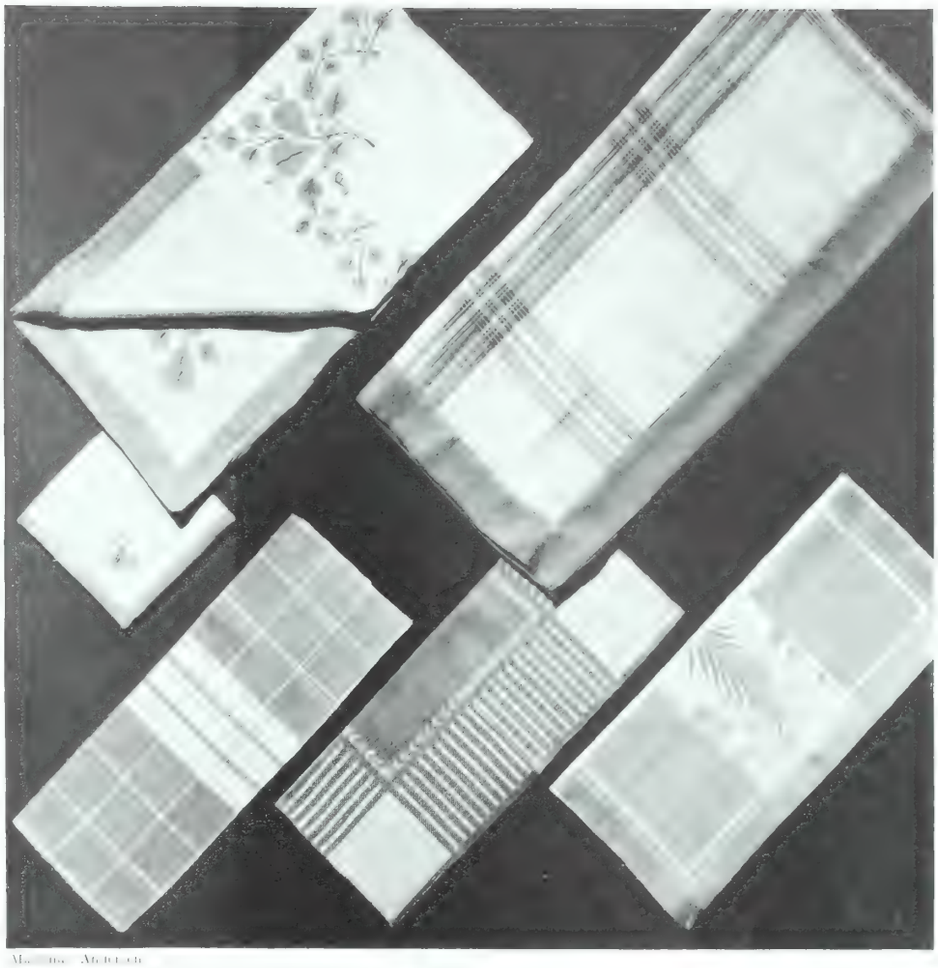
Cool-looking glasses are daintily elaborate in gaily colored glasses. A painted apple tree in spring green and orange-red decorates the tall glass above. Next is a glass banded in black, red and yellow. Alice Marks. The sturdy olive green goblet in the center is a 16th Century Flemish design. Macy's. (Upper right) Fostoria glass with emerald foot. Bloomingdale's. (Foreground) Bryce glass, sapphire, crystal stem and foot. Fiesta ware. Black goblet crystal stem. Altman

Bright table linens and cool crystal in gay country designs

GLASS does not have to be colored to suggest summer informality. Below are three new patterns in crystal designed in country scenes. (Left) Modern English crystal with amusing etched pattern of trees and cocks. From Rose Cumming. Tiny bunches of cherries decorate the pressed goblet in the center, copied from an Early American model. Macy's. The remaining glass is heavy English crystal with a charming design of four-leaf clovers. From the Mayhew Shop



BRIGHT glasses and amusingly designed napkins add gaiety to the cocktail hour. (Right) Striped glass, blue, yellow, red and green, Triest, and écru linen napkin with embroidered blue and white ship. Mossé. (Center) Modern design, platinum and jade, Macy's. Linen napkin, yellow appliqué bunny. Kargère. Red, green, black or blue polka dotted glass, Darnley. Pink linen napkin, appliqué blue and white cats. Kargère. (Right) A white cock is blown in the stem of this English glass. Rose Cumming



Matthew Adams

THE new table linens above are colored or white with vivid accents. (Upper, left) Seven piece tea set of white linen with appliqué yellow pears and green leaves. Grand Maison de Blanc. The plaid cloth, is white voile striped in coral and yellow. Lord & Taylor. The three cloths below are linen damask. (Left) Stripe pattern on peach, green or gold. (Right) Yellow daffodils and green leaves on peach, gold or blue. Mossé. (Center) Leaves and stripes on coral, pistache, peach or yellow. Altman

BELOW are country table linens showing effective combinations of white and brilliant color. At the top is a tea cloth and six napkins of crisp white organdy with printed flower border in soft rose reds, pinks and greens. Altman. Below this is a seven piece luncheon or tea set of heavy cream colored Basque linen with vivid red, white and blue stripes, or with orange and green stripes. Scruggs. The remaining tea cloth is fine white linen with a delicate appliqué flower design in pale apple green and soft blue. McCutcheon





Color schemes from American wild flowers

By Ruby Ross Wood

Wild indigo and swamp mallow. Yellow and Claret Living Room.

Walls: Painted deep wine color. Bookshelves with bronze colored wire netting doors built in walls.

Floor: An Axminster carpet with plum-colored ground and flowers in pink reds, and yellows.

Curtains: Yellow taffeta hanging straight. Under curtains of paler yellow.

Furniture: Two sofas at fireplace in wine-colored ribbed silk; chairs in wine-colored leather and yellow needlework, striped in red. Lamps of yellow porcelain with yellow shades. Quantities of yellow flowers in yellow vases and cache-pots. Over the mantel, a portrait of a man hunting, pink against autumn Maple leaves. On the mantel, four Chinese pottery horses in white and yellow glaze.

The deep wine color of the walls is an effective note in decoration. Dark backgrounds give fresh interest to a room besides providing a dramatic contrast where there are a number of light-toned accessories, as in this scheme.

Queen Anne's lace and chicory. Morning Room Carried Out in Creamy White and Blue.

Walls, Ceiling and Trim: White.

Floor: Gray-green carpet, the color of the Chicory plant.

Curtains: Very full, of nainsook embroidery looped back with blue ribbons. Valances of the embroidery in exaggerated scallops.

Furniture: Large sofa and two chairs in white linen slip covers. (Two sets used, for cleaning.) A writing table has a Chicory-blue leather top, and its chair has the seat and back covered in the same leather. Over the mantel, an enlarged photograph of an interior, in gray over-painted in blue. On the mantelshelf, a clock and pair of gray-green vases. At each of the two windows is a plant-stand in gray-green wire, holding blue and white flowers in pots. Small notes of blue are found in the lamps, flower-pots, ash-trays and books.

Lights: Appliqués strung with imitation white coral beads.

Virginia bluebells and great solomon's seal. Dining Room in Bright Blue and Pale Green.

Walls: Paneled in the Adam manner. Painted pale green. Trim also green.

Ceiling: Faint blue. At the edge of the ceiling runs a Greek key border in bright blue and yellow green.

Floor: Green marble or plain linoleum marbleized in pale green, dark green and yellow-green.

Curtains: In bright blue silk made very full; looped back on gilt rosettes.

Furniture: Pedestal dining table and chairs of mahogany. These chairs have seats of yellow-green leather. On the table is a Rockingham china tureen of bright blue and white, filled with green leaves. A large Sheraton bookcase is filled with blue banded Rockingham china. Over the mantel hangs an oval Adam mirror, gilt wood. On the mantel are a pair of white porcelain vases.

Lights: Crystal chandelier; four crystal candelabra stand on gilt Adam pedestals in the four corners of the room.

Butterfly weed and swamp candles. Bedroom Colored in Red, Yellow and Yellow Dotted With Red.

Walls and Trim: Pale yellow.

Carpet: Very dark red, plain.

Curtains: Yellow raw silk with border of dark red and scarlet ribbons, folded into pattern. Under curtains of paler yellow silk.

Furniture: Pair of beds made only of spirals and mattresses, no wood showing. Covered completely in yellow *crêpe de Chine* sprigged in red. An easy chair in dark red taffeta, shirred valance to floor. Smaller chairs slip-covered in yellow linen with half-inch red fringes set in seams and at borders. Chaise-longue in yellow silk dress material, extravagantly flowered in all tones of pink and red. Chest of drawers and small tables of French Provincial walnut.

Lights: Appliqués of crystal with a few ruby glass drops. Large lamp of dark red porcelain, yellow paper shade; smaller lamps of cream ware with yellow silk shades.

Silene, eupatorium, and michaelmas daisies. Bedroom in Purple, Pink, and Lavender.

Walls: Faint lavender-gray paper with surface checkered in pink and violet lines.

Ceiling: Faint pink.

Trim: Gray of paper.

Floor: Plain gray carpet. A fur rug in gray is before the fireplace.

Furniture: Louis XVI bed in gray paint, covered in lavender silk striped with pink and narrow purple lines. Walnut commode with a trumeau in gray and gilt over it. Bergère in dark gray velvet. Small chairs in gray silk. Purple flowers in pink glass vases. Over the gray marble mantel a portrait of a lady in pink and gray. On the mantel is a garniture of five vases of pink quartz. A few small tables of fruitwood.

Lights: Lamps in only vase forms of gilt wood, with shades of shirred gray-pink silk.

Pictures: A collection of large French color prints of doves and pigeons in narrow gilt frames.

Virgin's bower and sumac. Master's Bedroom in Feathery White and Deep Garnet.

Walls, Trim and Ceiling: White.

Floor: Moroccan carpet of goat's hair in white, brown and beige with flecks of dark red.

Curtains: Heavy, white wool-damask.

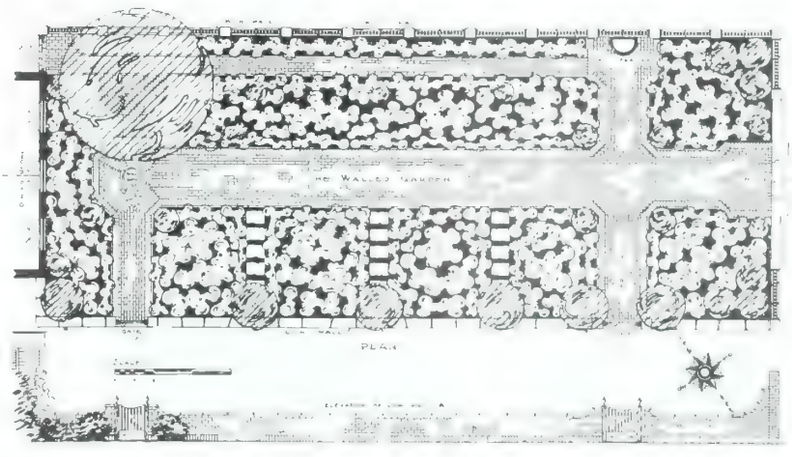
Furniture: Bed in dark oak, bedspread of dark red serge quilted in lighter red and white. An easy chair is covered in dark red leather. Other chairs have slip covers of brown, white, and red plaid linen. A large writing table has a red baize cover. The mantel is of brown marble, and upon it are four figures, carved in box-wood, of the seasons of the year. Over the mantel hangs a large map, embroidered in brown and red threads on old white satin. Prints in the room are in brown tones and consist mostly of old faded maps.

Lights: A small brass chandelier and brass appliqués. Lamps of brown and white Chinese porcelain with plain red silk shades.



May brings Iris time into a walled Pennsylvania garden

On the place of the late Mrs. Walter S. Mitchell, at Sewickley Heights, Pa., is this little walled garden. Its main path lies on the axis of the dining room. From this broad bricked way stepping-stone paths give access to the beds filled with perennials. A terminal figure and an old fountain enrich the brick walls. The landscape architects were William Pitkin, Jr., and Seward H. Mott



Wall papers



1. This gay and very decorative modern design would be delightful in a country dining room. From Elsie Cobb Wilson

2. Although modern, this pattern in cool spring colors is equally effective with Early American furniture. Chez Vous

3. A design that requires a fairly large room. The color combination is both unusual and smart. Francesca Bostwick

4. Imagine a tiny powder room in this design. Cleveland & Randall. Wall coverings on this page are fadeless. Salubra

5. Plaids are among the smartest notes of the season; and shell pink is in high favor for bedrooms. Elsie Sloan Farley

6. A Strahan design, also to be had in Prussian blue and brown, is suggested for a pine room. Richard E. Thibaut

7. The modern ocean liner now replaces the clipper ship as a decorative motif for wall paper. Katzenbach & Warren

8. A very usable design by Strahan which also comes in white on sky blue, blue on peach, and gold on watermelon. Thibaut

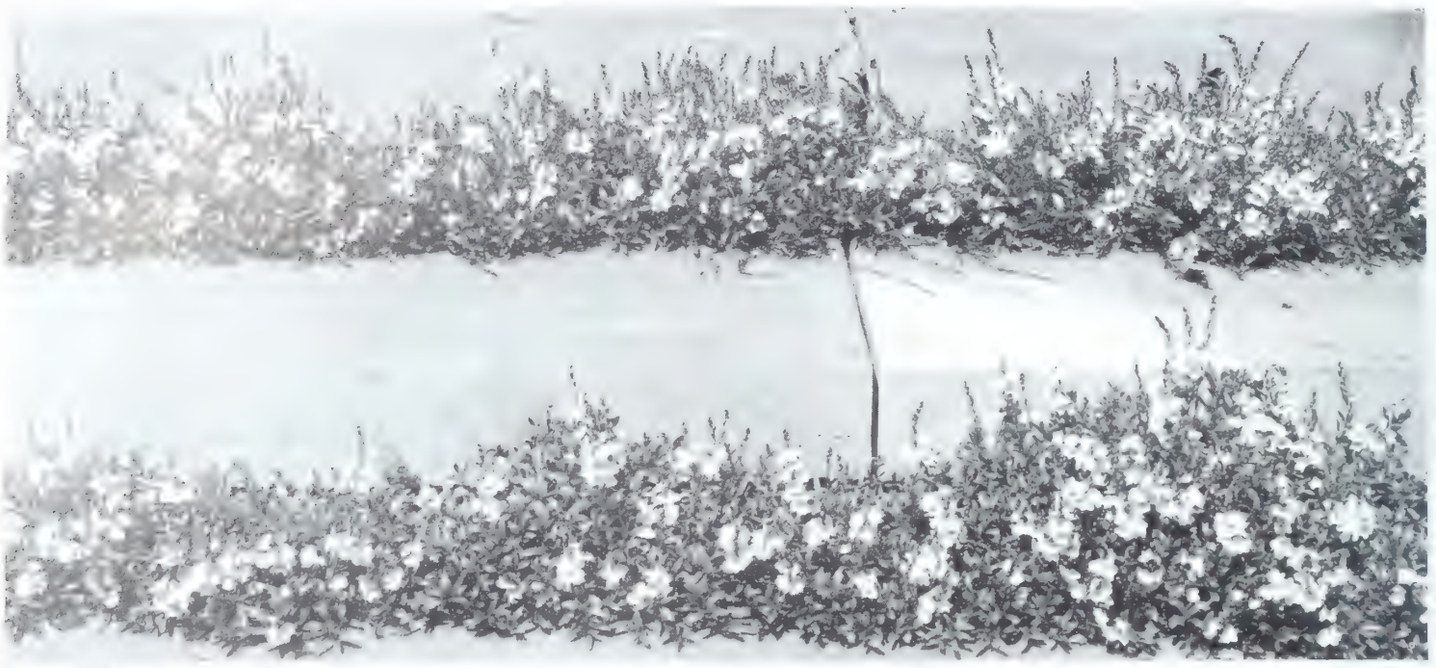
9. With its pots of posies in squares, this softly toned paper is a charming medium for country bedrooms. Thibaut

10. In addition to its lovely color array, this modern German paper has the advantage of fine drawing. W. H. S. Lloyd

11. The Regency design and color of this paper follows the newest trends. Also in pale turquoise. Katzenbach & Warren

12. A pattern that would be equally distinguished for country living room, dining room or hall. Nancy McClelland


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Garden veronicas large and small

By Louise Beebe Wilder

ADVENTURE with Veronicas has resulted in almost one hundred percent satisfaction. A few kinds are woody and tender, certain of them are not hardy in my climate, but on the most part lasting friendships have been made.

Blue flowers have a strong appeal for most of us and among the flowers of this genus blue is the favorite color. White is worn by them frequently and while it is occasionally a very pure and fleecy white, it is frequently indefinite and not quite clean in quality. Rose appears now and then, but blue—a rather soft and hazy blue, as a rule, but quite pure—is most often found.

These flowers belong to the order Scrophulariaceae, which means they are related to the Mulleins, the Snapdragons, the Pentstemons, the Linarias, the Foxgloves, the Turtleheads, the Synthyrises and numerous other garden plants in good standing. The genus is a large one, comprising more than one hundred and sixty species ranging from the most inconsiderable and self-effacing mat-makers through perennial herbs of all heights and values to shrubs and almost trees. The last two classes, however, are suited for life only in mild climates or for greenhouse culture.

What we wish to consider here are the kinds suitable for use in the hardy borders and rock gardens—even of these there are a great number, more than can be packed into a single article. The characteristic inflorescence is a terminal raceme, but occasionally flowers are borne in the axils of alternate floral leaves. All the kinds that we shall here consider are hardy in the neighborhood of New York and Boston (or even Montreal, unless otherwise indicated, and are of perennial duration. In most cases Veronicas prefer pretty good fare for their roots and sunny situations.

In our country walks we frequently pass indifferently some of our native Veronicas, or those that have escaped from culture and made a home for themselves in the wild. The pretty Bird's-eye is one of these, *V. chamaedrys,* which I like to encourage in a corner of my rock garden for the sake of its bright blue fleeting blossoms; the tiny *V. serpyllifolia* is another which is vouchsafed a corner, though it is apt to be grasping beyond its deserts; the European Brooklime, *V. beccabunga,* not quite good enough for garden use, and *V. officinalis,* the prevalent and modest little ornament of dry hills and open woods all along the Atlantic seaboard, and far westward, the common Speedwell.

Like Gilliflower, Speedwell is an old flower name that lingers pleasantly in the memory, calling up visions of quiet gardens where quaint flower names are born of affection and understanding. Speedwell, Dr. Prior says, was first applied to *Veronica chamaedrys* exclusively "from its corolla falling off and flying away as soon as it is gathered, 'Speedwell!' being equivalent to 'Farewell!'—'Good-bye!' a common form of valediction in old times." Now the name applies impartially to most Veronicas and lends to them all a certain warm friendliness.

If we consider first the kinds of Veronica most suitable for border culture there at once comes to mind that splendid summer-flowering hardy perennial, *V. longifolia,* in its superior form *subsessilis.* It is one of the best of border plants with strong rich foliage and heavy spikes of deep blue flowers. A form, *maritima,* is said to be taller. *V. longifolia* is one of the plants that mercifully ameliorate the overpowering rosiness of the Phlox season and happily serves to break its effect of wheel-like regularity. The Spiked Speedwell, *V. spicata,* blooms earlier, just after the Iris season and in time to make an attractive twosome with certain Lemon Lilies, *Hemerocallis thunbergi,* for one, or *H. citrina,* or to spire up slimly behind a rounding mass of *Geranium sanguineum album* (one of the best of hardy plants), and continues to bloom long enough to companion the Mulleins, Oenotheras and some of the Eryngiums. If the spent spires are cut it seems to bloom almost indefinitely.

Veronica spicata alba is a considerably more dwarf and compact plant than the type, a really fine thing for the front ranks of the border, or a bold situation in the rock garden. *V. spicata rosea* is dwarfer still, appearing like a trig little Heather, with slender spikes of soft rose color. Still more inconsiderable is *V. spicata nana,* rising no more than five or six inches tall, born to exclusive circles of the rock garden, though not as definite in its blueness as might be liked.

The tall native Culverwort, *V. virginica,* is one of the (Continued on page 122)

MOST engaging of the Veronicas is the [illegible] a little flat creeper with tiny green leaves and very pale blue flowers. It is not always easy to maintain, sometimes failing to withstand the winter. Its best place is well down in the rock garden within reach of moisture









DIRECTLY above is Veronica gentianoides, one of the earliest of the family to come into blossom. Near New York, May brings its whitish-blue flower spikes rising a foot above the neat, tufts of leaves

THE photograph at the upper left shows the flower form that is typical of some of the taller Veronicas, of which V. subsessilis is a good example. In grace and color these plants are well suited to the mixed border

A CLOSE-UP of Veronica subsessilis, at the left, discloses the attractive form of its individual blossoms with their prominent anthers. This is one of the most satisfactory border perennials with deep blue flowers

IN THE lower left corner of the page is V. spicata, the Spiked Speedwell, flowering [illegible] the early part of this season. It is a [illegible] and [illegible] the Lon[illegible] [illegible] Heuchera [illegible]

Blue spires rise in varied forms



Colonial types

(Left) The border makes this gay flowered chintz (R. Carrillo) doubly useful: good for dressing table, bedspread, or curtains. Also available in yellow, orchid or apricot. Lilies of the Valley (from Stroheim & Romann) on their cool green ground, used on an occasional chair, combine well with other patterned fabrics. An interesting use of the eagle and star motif appears in the Early American chintz in this group (Johnson & Faulkner) which also comes on a green, red or prune ground





Modern chairs

(Left) A leafy design on a sea green background makes an attractive covering for a large modern sofa or contemporary chair. (Schumacher) The contrasting modern velour in the center of this group (from Johnson & Faulkner) will create an amusing, decorative note in an informal bedroom. Charmingly [illegible] is the material shown at the right in the group (from Stroheim & Romann) which can be used on the walls as well as the right

Porch and beach

Gay and guaranteed not to lose its color is the German striped linen at the right above—a decorative print obtainable in a variety of color combinations. Richard E. Thibaut. What could be better for cabaña or porch than painted wicker furniture covered in the sunfast material above illustrating water sports? It also comes with a green background. Thibaut. Perfect for terrace is the modern print on cotton and silk rep that also comes in linen in gay combinations. Thibaut

Among the new fabrics

House & Garden picks from the market these fifteen fresh patterns







Modern designs

The formalized design of the Schumacher damask at the immediate left makes it interesting for curtains or furniture coverings in a modern bedroom. The sunfast cotton print beyond is recommended for cottage curtains. Also in rust, brown and yellow on cream. Thibaut. Spread or chair covering of the striped rayon and cotton damask, from Stroheim & Romann, might be combined with the Schumacher curtains



Formal chintzes

The Papageno glazed chintz at the immediate right, which also may be obtained in bronze, blue-green, yellow, peach and cinnamon combinations, would make lovely curtains in a summer living or dining room. Rose Cumming. The toile de Jouy at the top of this group of three (J. H. Thorp) is in several new color combinations—red, sepia, and green. Curtains of the toile de Jouy design shown above are splendid for a summer room. Rose Cumming

In a Mexican mirador

By Frances Flynn Paine



CORRIDOR

Cuernavaca ("Near the Woods"), with the Nahuatal name of the ancient capital of the Tlahiucas and their most important place in wealth and population. At the time of the Conquest it [illegible] to the Aztecs who kept [illegible] walls. It was captured [illegible] Spaniards under Cortez, [illegible] for his success, Charles V included it in the thirty cities he gave Cortez. Finding the name difficult to pronounce, the Spanish changed it to Cuernavaca. For centuries it has been the playground of the aristocracy of Mexico. The Spanish *Conquistadores* soon discovered that the low altitude and warm climate were beneficial, after the extreme height and crisp weather of Mexico City, and built [illegible] there. These houses still remain among the finest examples of Spanish colonial architecture in Latin America.

In recent years the diplomatic corps has come to Cuernavaca for rest and recreation and several of its members have purchased lovely old places and furnished them with the exquisite things of the period. The avidity of the collective connoisseur has taken possession of them and their pursuit of Spanish colonial antiques is equalled only by that of their brethern in New England for Americana. But in Mexico this is only a recent activity.

Sir Esmond Ovey, the recent British Minister to Mexico, was the leader in the present migration to Cuernavaca. He chose the most enchanting place in this beautiful little city. In restoring it so that it would be suitable for modern living requirements, he was guided by a rare and keen appreciation of its possibilities and the gardens and furnishings reflect a thorough understanding and critical judgment of the best in Spanish colonial things.

Dream *al fresco* in a moonlit garden of Cuernavaca, with the sound of native music and dripping fountains, so characteristic of the place, the exotic perfumes and rare beauty of its patios with their profusion of Gardenias, Camellias, Orange blossoms and Orchids is not just a romantic dream, but an actual daily possibility in this enchanted little city, and, what is more, within four days' railway journey of New York!

Cuernavaca has charmed all the generations who have had the good fortune to know her. Cortez in 1535 made it his home; his palace is still in use for governmental purposes. Diego Rivera painted a huge mural in its corridor, a departing gift from Ambassador Morrow to the city.

The winter of 1866 the Emperor Maximilian went to Cuernavaca and from there wrote to his old friend, the Baroness Binzer: "In the happy valley, a few hours from the capital, we dwell in the midst of a luxuriant garden in a pleasant unpretending quinta. It is an old-fashioned garden, dotted with splendid arbours of dark foliage, covered with everblooming tea roses. Innumerable fountains diffuse their freshness beneath the shady canopies of orange and mango trees. On the upper corridors, running the length of our rooms and shaded by portals having our fine hammocks, we lull ourselves in sweet dreams to the song of gaily colored birds. Here at Cuernavaca, for the first time, we lead a real tropical life."

Certainly the magical charm of Cuernavaca is enhanced by its glorious views, some of which are the most majestic in Mexico. Snow-capped volcanoes across tremendous expanses of tropical valleys. They are seen best from the *miradors* which rise high above the flat roofs and terraced gardens—and, as old devices sometimes offer the best suggestions for meeting new problems—I have used the *mirador* as the basis for designing various penthouse terraces in this country. For the word *mirador* means—"the place from which one looks"—and as more of our apartment buildings take on the character of the stepped skyscrapers of our big cities, the penthouses and the terraces with their refreshing breeze and far views have become the most popular and sought-after feature of the modern apartment house.



PATIO

The *mirador* is an indispensable feature of the gardens of Latin America, which, because they are completely walled in and surrounded by the house, offer no outside view. It is arranged either on the flat roof or built above the angle of the garden walls. In either case it is reached by an outdoor stairway which adds to it architecturally, particularly as it offers so advantageous a place for the use of lovely hand-wrought iron, and the beautiful Talavera tiles. The *mirador* is the heart of the Spanish colonial garden. Its purpose, to arrange the acme of comfort and the greatest possible esthetic beauty as to views that the location may afford and the gathering here, for close inspection and enjoyment, of the most exquisite and rare flowers that bloom in the vicinity.

The illustration of the penthouse dining terrace which I designed shows frankly an adaptation of the Mexican *mirador* with certain of the features of their corridors included. In its plan it offers many points which make it practical for our modern American city requirements.

The three walls are sheltered by the stucco walls of the penthouse. The back is solid, the other three arched, looking out over the city. The roof was an adjustable roll of fireproofed awning, but a permanent roof, suitable to the construction material of the building would be equally good, and indispensable, if the

(Continued on page 120)



MIRADOR

A tropical hint for gardeners

A mirador is a [illegible] one looks. It rises high above the flat roofs and terrace gardens of Spanish-American villas, commanding distant views.

To the left is the mirador in the garden of the Cuernavaca quinta of Sir Esmond Ovey, late British ambassador to Mexico. From this vine-clad tower the vista includes snow-capped volcanoes and broad tropical valleys.

(Below) The author applied the mirador idea to a New York roof garden. The stucco walls of the pent-house shelter three sides. These are stained in a faded rose tone. Tiles made by Aztec Indians lend further color.

Instead of the pool, usually found in patios, there is a tile table with a pool. The floor is of pink pebbles. This mirador was made for Mrs. Josephine Wiltbank.

(Opposite above) One of the corridors surrounding a patio in Sir Esmond Ovey's villa. Above this is a terrace protected on three sides by windowless walls, offering a sheltered place for work away from the too romantic atmosphere of the garden. The corridor window has the characteristic Spanish wooden grille.

(Opposite) The first patio in Sir Esmond's villa in San Pedro, and this archway is the entrance to it. Twelve terraced gardens comprise the place. These are filled with heavy tropical foliage. Flowering Creepers cover the walls and in the trees are Orchids. The circular central fountain is typical of the Spanish patio.



ROOF GARDEN



C. B. Pete

The arches of an old Mexican patio

EVERY spot in Mexico has its saintly appellation. This view looks from San Pedro Gate or arch through to San Pablo's patio. The corridor opens on the many-arched patio of San Tomás, named, of course, after the doubting apostle, because until you really see this enchanted garden you cannot be expected to believe any place can be so beautiful



L. J. Mason

Arches into a Spanish patio of an English country house



THE country house of Sir Philip Sassoon at Lympne, England, is a successful combination of several architectural styles. Its exterior has rounded gables strongly reminiscent of South African designs, its paved terrace is carpeted with bedding plants like a mediaeval parterre, inside is a patio that traces its architectural heritage to Spain of the Moors

A PLEASANT contrast is afforded by comparing the arches at the Cuernavaca quinta opposite and these which are so clearly Saracenic in origin. This patio also has its central fountain and shallow water channels, and the potted plants that edge its walls echo in a fainter measure the foliage and flowering of many a patio in Spain and Spanish America

Easy cooking in small places

Modern equipment encourages the tiny city kitchenette and the kitchen corner of a one-room cabin • By Elizabeth Hallam Bohn

No room is the kitchen made so large that it completely bounds woman's horizon. A niche no larger than the portion of the floor devoted to efficient meal preparation can evolve the most delightful hospitality as well as the continuous three-times-a-day meals. The sophisticated city kitchenette, or the cooking unit in a cabin close to Nature can be made as convenient as the great, rambling kitchen of Grandmother's day.

For a family of three or four, a kitchenette five by seven feet is adequate in size. This amount of space will accommodate the customary features, including an electric dish-washer. Near the sink, a three-burner electric or gas stove with oven and heat regulator above, takes care of the cooking unit. If the legs of the stove are removed, a cupboard can be built underneath. This important space may be used for cooking utensils. Along the opposite wall are a miniature kitchen cabinet of the table type and a low refrigerator. Over these are two single cabinets with sufficient space between for a cook book shelf. To complete the equipment, a stool of sufficient height should be included. As these miniature kitchens are usually built on a court, the walls and floor should be treated in colors that do not absorb light.

One of the latest developments in utilizing all available space is the building of compartments on the kitchen side of doors opening to dining room or pantry. Door closets designed for the ironing board, iron, electrical appliances and cleaning tools are featured by one architect.

Quite as popular as the model kitchenette is the small cooking unit in a country cabin. A one-room cabin, 15 by 15 feet, is a convenient size for a family of two or three, and in it there may be all the comforts of home. A division between sleeping and kitchen quarters can be arranged by means of curtains or a screen, and the kitchen end equipped with all the essentials of light housekeeping. It may contain a kerosene stove with an oven and broiler, in place of the latest electric type. Under the stove, convenient shelves for storage of bread box, tins, scales, etc., may easily be built.

Supplanting the electric dish washer of the kitchenette, with its wide porcelain sink, is an iron sink under which can be stored the garbage pail and the wastepaper basket. Above the sink may be placed a ready-to-hang shelf carrying the spice and cereal containers, and hanging from hooks just below this shelf, some of the important implements constantly needed in every-day cooking.

A small ice capacity ice box should be placed as far from the heat as possible. It is constructed on cement bases built up to the floor, from which a pipe drains off the drip of the melting ice. As much space as possible should be left for the cupboard and closet arrangement, and the doors fitted with hooks for carrying pots, pans and most of the cooking utensils. The lower portion should be equipped to hold brushes, mops and dusters, as well as the unsightly kerosene can which at the same time is such a necessity in replenishing the empty oil tank. The counter top above the lower section may serve as a substitute for a table, and the upper portion of the cupboard will hold food supplies as well as crockery. At one side of the cupboard, fastened by means of hinges and hooked against the wall, may be placed the ironing board. In releasing the hook, it is brought into position by means of a movable leg. Folding chairs can be added to the equipment if desired.

The success of most great industries is intimately related to a supply of fuel, and to this rule the business of home-making is no exception. The cooking medium must be the first consideration. With the special rates being offered in many places for electricity for this purpose and the ease with which the heavy duty wiring, needed by most of the more powerful ranges, can be installed, this clean, quick fuel is coming more and more into favor.

With the insulated features, the automatic timing devices and the excellent suggestions given by many manufacturers for combination cookery, the cost of the fuel is absorbed by the satisfying results obtained. There are excellent small stoves, too, with which no special wiring is necessary. The ordinary light current is sufficient. Gas stoves also have been improved so that in many cases they cook absolutely without supervision while the kerosene range has developed a position of dignity and importance with a flame as hot as gas, and an entire lack of its old-time obnoxious aroma. Often a combination of coal and gas is found desirable, and such stoves may now be obtained in the smaller sizes.

And gasolene and alcohol—solid or liquid—are the allies of many a self-appointed chef in a country cabin. The name of a manufacturer of integrity and the approval of the Underwriters' Laboratories are assurance that the purchase will be dependable.

In selecting utensils for the city kitchenette or cabin kitchen, one should remember that each utensil must have a definite purpose, because there is no room for useless, ornamental devices in a small space. Therefore the market should be studied, and a list made of those cooking utensils which fill requirements. Pots and pans should be large enough to entirely cover the burners so that there will be no loss of fuel or time in cookery. Aluminum pans are excellent, although more expensive than enamel ones, but they will prove to be a great saving in the long run, both as to performance and easy care. The fuel-saving utensils—the waterless cooker, triplicate pans, pressure cooker, and double boiler are always a wise investment and most important.

The requirements of all miniature kitchens—regardless of location—are fundamentally the same. The stove is the heart. From the list given below, suggestions may be found which lead to the developing of an efficient kitchenette, appropriate to play its stellar rôle in the culinary drama.

A manufacturer whom we will call "A" has developed a line of small electric ranges designed especially for smaller kitchens. Two- or (*Continued on page* 106)

For detailed information about any article mentioned in this issue, address request to House & Garden Readers Service, 19 East 48th Ave., New York City.



THE living room illustrated on this page and the interiors shown on the two following pages are in the summer residence of Mrs. Carleton W. Betts, at Watch Hill, R. I. A number of Chinese details in the living room, such as lamp base, the gay design of the chintz, and the mantel decoration of antique porcelain figurines are interesting notes with the 18th Century English furniture and the background of honey-colored pine walls Albert Bartlett, decorator

THE living room in Chinese chintz is in sharp greens, dull reds and yellow on a purple-brown ground. Draw curtains throughout the lower floor are of Chinese yellow casement cloth which contrasts well with the gray shingles and vermillion blinds of the exterior. The carpet is a mauve-tan; strong greens, dull reds and yellow dominate in furniture coverings. Lighting fixtures of gold mirror [illegible]



A country house in Rhode Island



French furniture against flowery walls



G. W. Keating

Glazed chintz in place of wall paper



A CHARMING old fashioned chintz gives color and decorative interest to this country bedroom, where predominating colors are yellow, pink and soft brown, with touches of deep green. Chintz cretonne with Oriental figures in natural colors on a brown ground are trimmed with yellow-pink ruffles. Walls are soft pink, the rug green

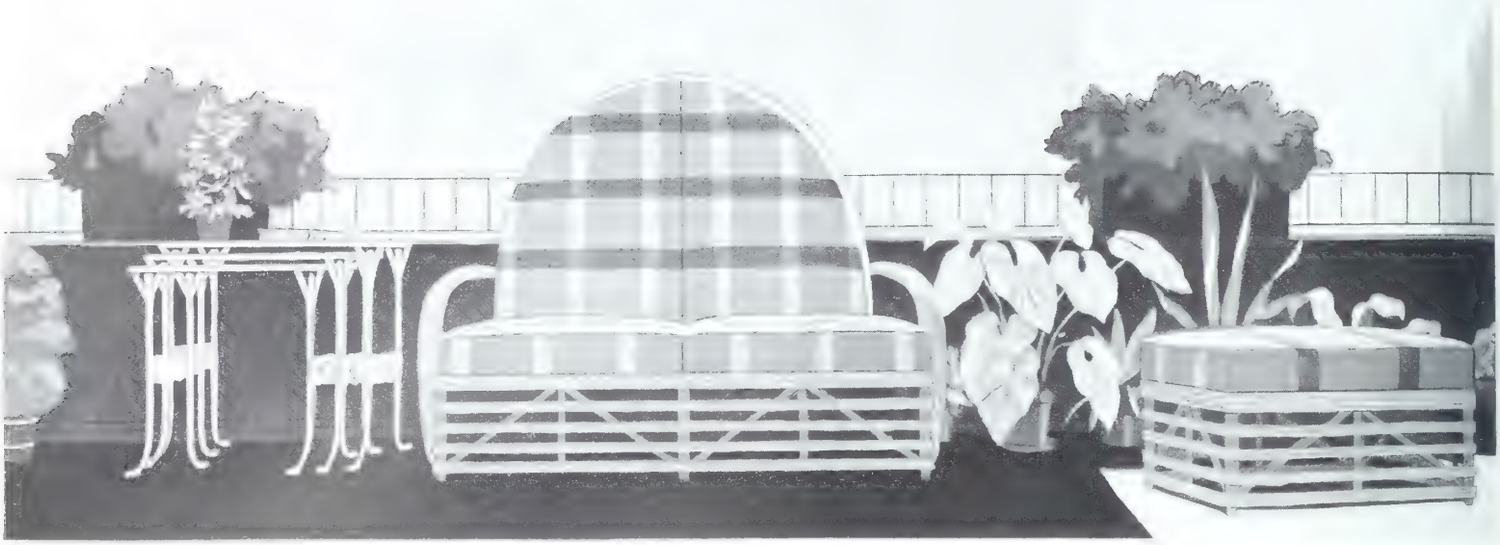
Gay curtains give color and contrast



G. W. Harting

WALL paper with deep ivory ground latticed in sepia is further accented by a paper border in sepia and brilliant blue. Curtains of vivid blue, yellow and black chintz, finished with a shirred blue taffeta valance, are used over yellow organdy glass curtains. The bedspread is yellow linen. Rug is dark blue. Albert Bartlett, decorator

Figured chintz with latticed paper



Suburban and country porches



Entrance to the porch, porch to garden, garden to swimming pool. Objective: the cool and shady lounge on which to sit and relax. Its natural walls of screen can be had in green painted wicker, with bright cretonne cushions. The Mexican shop has wicker and reed settee would be effective. Standard in Hawaiian brown, accented with red and teal. Daybed is upholstered in red and mint black and has closed chair. Seat cushions can be red patterned taped in blind. Rapid

The wicker tea cart has with plate glass top, centrally located in the frame on the upper shelf is appropriate for porch, service or roof garden. In Pompeian green, rust or black finish. Extra. An effective and practical group is the set of furniture at the extreme right, of metal with natural cane windings. Plate glass top has painted blades on Pedestal heavy cloth or canvas seat. Cushions matching the chair seats. Courtesy R. H. Bacon





Roof terrace or pent house garden

THE furniture illustrated on this page is particularly adapted for a pent house roof. What could be more decorative and practical for a roof garden than the nest of wrought iron tables shown at the extreme left, with their plate glass tops and delicate design of hand-wrought iron rosettes? For serving tea or iced drinks outdoors they are sure to be constantly useful. To be had in antique finish or painted in colors to match any adjacent pieces [illegible] in between all. From the Maylaw Shop

THE [illegible] of modern design make a striking and [illegible] on this roof garden. [illegible] in natural [illegible] and upholstered with smart plaid material in gray, black and [illegible]. Separate cushions are also covered in the same fabric. Wooden flower boxes and large pots filled with a variety of plants add interest to this roof, being modern in shape and painted the black and white of the furniture fabrics. Sofa and [illegible] from the Mal [illegible]

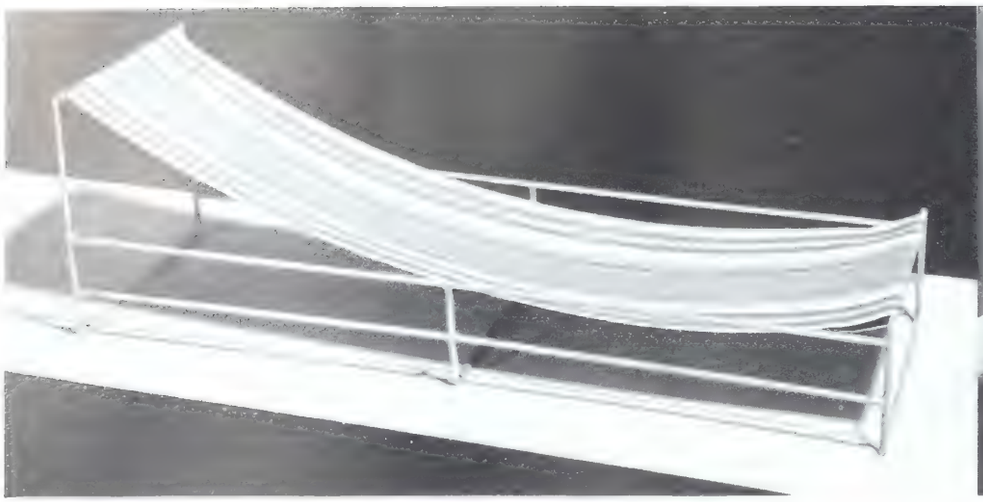




The terrace furnished with rattan

THE flagstone and cobble terrace to the left is made unusually attractive by combining varied types of rattan furniture. The settee and the armchair, with its peacock shaped back, is of hand-woven laced rattan and might be decorated in lacquer red, with bands of bright blue for a contrasting note. Cushions on these pieces are of a waterproof and sunfast glazed chintz in red with pipings of blue. The sloping armchair would probably follow the color scheme of the matching pieces. Ypsilanti Reed Co.

AT THE extreme left on the page opposite are a card table and four chairs made of natural toned rattan, decorated with French enamel cane windings picked out in red and green. The seat cushions on the chairs are covered with [illegible] patterned in red, blue and green. The general utility end table is also constructed of natural rattan trimmed with the French enamel cane windings in red and green to match the other furniture. These pieces are from the [illegible] Reed Company

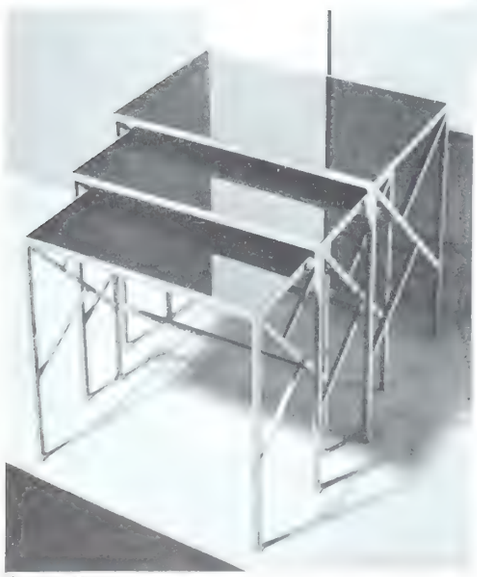








Murray Anderson



[illegible] Hansen

THE [illegible] at the top of the page is of wrought iron with canvas back in varicolored stripes. It can also be had in plain material. L. D. Ford Co. The modern cocktail table of chromium plate at extreme right has a top of green Swedish tiles with star design in black and gold. 19 inches high. From Stern Bros. (Lower right) Metal and wood chaise longue, finished in black lacquer and chromium, has seat and back cushions of red permatex. The two-tiered table with mahogany top has uprights in black lacquer with chromium trim. From Lord & Taylor. Accessories from Stern Bros.

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THE [illegible] at the top of the page is of wrought iron [illegible] finished in black and silver with touches of red. From the L. D. Ford Co. (Lower left) Useful as well as decorative, is this nest of three wrought iron tables, Chippendale in feeling. [illegible] finished in coral color with black glass tops. The set stands 20 inches high. From Potash-Marl Inc.

Metal furniture for outdoor comfort

FLOWERS FOR THE SOUTHWEST

By DOROTHY O. O'NEILL

OKLAHOMA, ARKANSAS, KANSAS AND PART OF TEXAS. SOW OUTDOORS UNLESS STATED.

ANNUALS

NAME	H'GHT	SEASON	COLOR	CULTURE AND REMARKS
AGERATUM	10″	Aug.-Nov.	Blue	Sow early in March; light or heavy soil; good bed
ARCTOTIS (Blue-eyed African Daisy)	10″	May-Nov.	White with blue eye	Sow seed in March; Dry soil; sun; very good
ALYSSUM	8″-10″	May-Nov.	White	Sow seed in February; sun or half shade; good for edging.
BASKETFLOWER (Centaurea)	36″-70″	June-July	Rose-lavender	Sow seed in September; plants live through winter, to have cuttings or bloom from the first border
BLANKET-FLOWER (Gaillardia)	14″	Apr.-Nov.	Yellow, orange-red	Sow seed in February; reseeds; dry
CALLIOPSIS (Coreopsis)	14″	June-July	Orange, dark eye	Sow seed in February; reseeds; dry poor soil; sun; and be out of the
CALIFORNIA POPPY	10″	Apr.-June	Various, brilliant	Sow seed from February through
CENTAUREA (Cornflower)	36″	May-July	Various	Sow seed August; plants live through winter to bloom; sun; easy, double Blue best
CALENDULA	10″	May-Oct.	Yellow-orange	Sow seed in March and June; any soil sun or half shade; easy
CHINA ASTER	18″	Aug.-Oct.	Various	Sow seed in April; rich, deep soil; pot-grown plants; extra
CLEOME (Spiderplant)	24″-36″	June-Oct.	Rose, white	Sow seed in February, or reseeds; dry places; sun; seeds; to attract butterflies, and bees
CYNOGLOSSUM (Chinese Forget-me-not)	24″	May-Oct.	Blue	Sow seed in February and April; reseeds; rich, deep soil; water well. Splendid
LARKSPUR	36″	Apr.-June	Various	Sow seed in August, plant five inches apart; reseeds; rich soil, sun or half shade; splendid.
MARIGOLD	24″	June-Nov.	Yellow, orange	Sow seed in March and April or June, transplant well; in July for tall flowering
NASTURTIUM	5″-60″	Apr.-July	Various	Sow seed in middle of February through April; dry, poor soil; sun.
PANSY	8″	Mar.-June	Various	Plants set in Sept., sow seed August and September; plant five inches apart; light protection, rich soil; water well; prefer sun.
PETUNIA	12″	Apr.-Nov.	Various	Sow seed in March; reseeds; any soil; sun;
PHLOX DRUMMONDI	12″	Apr.-Nov.	Various	Sow seed in March or September, dry soil; sun;
POPPY	24″	Apr.-June	Various	Sow seed in February or September, and double, splendid.
SALPIGLOSSIS	24″	June-July	Various	Sow seed in February or March to germinate; thin out when plants crowd; rich, well drained soil, sun; lovely.
SNAPDRAGON	20″	May-Oct.	Various	Sow seed in February, deep, rich, well drained soil; sun; water often.
SCABIOSA	30″	May-Nov.	Various	Sow seed in February, deep soil
SWEET PEA	54″	May-July	Various	Sow seed in December or February, deep, rich soil; sun; mulch, water well; cool, late
VERBENA	6″	May-Oct.	Various	Sow seed in September or early soil; sun; plant five inches apart; colors, rich soil, half shade; easy
VINCA ROSEA	8″	May-Nov.	White, rose	Sow seed in April; reseeds; with-stands drought; useful in border but useful for sunny, dry
ZINNIA	30″	June-Nov.	Various	Sow seed in March or April; plant

PERENNIALS

NAME	H'GHT	SEASON	COLOR	CULTURE AND REMARKS
ARTEMISIA, Silver King	24″	May-Aug.	Silvery white	Plant in early spring; rich, deep soil; sun; prevents
AQUILEGIA (Columbine)	24″	Apr.-June	Various	Best seed sown in June to July; splendid and easy; prefer half shade;
ASCLEPIAS TUBEROSA (Butterfly-weed)	30″	May-July	Orange-red	Sow seed in March; splendid in sunny, dry border; use-
BLEEDING-HEART	14″	May-Aug.	Rose-pink	Plant in August; rich, deep soil; heavily watered in August-September; plant in fall; light shade.
CONVALLARIA (Lily-of-the-Valley)	8″	Mar.-May	White	Plant in early spring or fall; light spring; water well
COREOPSIS	24″	May-July	Yellow	Sow seed in March; plant 12 inches apart; sun; easy; plant in March; aggressive.
CHRYSANTHE-MUM, HARDY	30″-54″	Sept.-Dec.	Various	Indispensable; plant from May to May in deep, rich sun or half shade; water well.
DAISY, SHASTA	30″	June-July	White	Easy; plant in March or September sun; water well
DAYLILY (Hemerocallis)	36″-48″	Mar.-July	Yellow, orange	One of best plants for this section in sun, half shade or dense shade; drought
DELPHINIUM	24″-36″	May-June	Blue, white pink	Sow seed in July and September in cool, moist place; plant in fall for bloom; Rich, deep, well drained, keep well watered; light shade
DIANTHUS (Hardy Pink)	12″	May-Oct.	Various	Sow seed in February; dry soil sun; easy. Hollow-crowned
DIGITALIS (Foxglove)	24″-36″	May-June	Various	Sow seed in September, reseeds, light shade; deep, rich, well drained soil; slight winter protection; inclined to damp off. (Biennial)
ECHINACEA (Purple Coneflower)	24″-36″	June-Aug.	Rose-purple	Excellent plant to part of the border; plant in March or early, sunny place.
GAILLARDIA (Blanketflower)	18″	May-Nov.	Orange-red	Sow seed in February or September, dry, sunny
GYPSOPHILA	24″	May-July	White	Sow seed in March; hot, dry places in border
HELENIUM (Sneezewort)	48″-60″	Aug.-Sept.	Golden yellow	Plant in March or April, for late showy; Daisy-like flower.
HIBISCUS (Marshmallow)	30″-60″	July-Oct.	Various	Sow seed in March or September, reseeds, dry or wet soil, sun or half shade; easy; showy.
HOLLYHOCK	60″-70″	May-June	Various	Sow seed in June, reseeds, frost hardy, deep, rich soil, sun; water well in midsummer.
IRIS	10″-36″	May-June	Various	Plant from June to August in Germanica, Kaempferi, Siberica, Germanica and Siberica best and indispensable.
LIATRIS PYC-NOSTACHYA (Kansas Gay Feather)	36″-80″	June-July	Purple	Plant in March, Sept. and Oct. in pockets of the border; dry, poor soil; drought resistant in appearance; very attractive to butterflies.
MONARDA	24″	June-July	Scarlet, rose	Plant in March; reseeds; for moist places, any soil; attracts butterflies.
PEONY	30″	Apr.-May	Various	Plant in September; deep, rich soil; well drained sun, or half shade; water well; worth care it takes, not
PHLOX	30″	May-Oct.	Various	Plant in February and March, rich soil, well drained; water copiously during hot weather. Mildew
PHYSOSTEGIA (False Dragon-head	24″-30″	July-Aug.	Rose, white	Plant in March, sow seed in July, deep, rich soil; sun or light shade, aggressive; summer bloom
RUDBECKIA (Golden Glow)	60″	July-Aug.	Golden yellow	Plant in March and April, rich, deep soil; prefer half shade; water well and protected
SILPHIUM LATIFOLIA	18″	July	Purplish	Plant in March; sow seed in July, rich, deep, well drained soil; water well; reseeds, and

Gardens to see in travels abroad

Selected by Helen Morgenthau Fox



This list of gardens is by no means comprehensive or all-inclusive. It is merely intended as a first step to guide the garden enthusiast towards the gardens of Europe. To unearth the gardens in a foreign country, especially in countries not touched lightly by the tourist with a penchant for research, who is not satisfied with seeing gardens open to the whole world and seeks out the little ones often completely hidden behind high walls. Sometimes we ask the porter in our hotel about the gardens to see, or the waiter who brings up the breakfast—if he looks responsive. Or we go to the local tourist agency or book store and engage the owner in a conversation about our hobby while he is wrapping up the local guide book we have just bought. The owner of the book store, we find, will be glad to disclose examples of local distinction and give you letters of introduction. The consulate is generally quite useless, and so is the embassy, unless you personally know some garden-minded attaché or one with a sympathetic wife.

In England all you have to do to see the gardens is to procure the list of those which are opened for the benefit of the Queen's Institute of District Nursing. This year one thousand gardens are to be opened to the public through them at the charge of one shilling for each garden. In France many gardens are open to the public all the time, and a few on certain days for charity in the vicinity of Paris and on the Côte d'Azur. These are announced in the local newspapers. But if you have a list of gardens you want to see, write letters to the owners in French and you will undoubtedly receive the desired permission, as they are most courteous to people interested in any phase of their art. However, unless there is a serious reason besides that of satisfying one's curiosity for seeing these gardens, it is not tactful to trouble the owners. For there are ever so many gardens open to the public all the time.

To really study the gardens of any country, it is a good plan to settle down in a place for four or six weeks and take in the surrounding gardens slowly enough to let them sink into your subconsciousness. One summer we spent several weeks at Bellagio on Lake Como. Of course there were Villa Carlotta and Villa Pliniana, which everyone sees. But by taking a boatman we had [illegible] exquisite gardens. Others unknown to American tourists but which were open one day a week for visitors, most of whom were Italians. On other days we took a phaeton and drove to many charming gardens.

I have not visited any private gardens in Germany, but if the owners are as cooperative as the publishers of Gartenschönheit and the German Tourist Bureau in New York, it will be plain sailing to see them. The Dutch are gracious about showing their gardens and the Travel Association here will arrange for people to see those not generally open to the public. Tourists have not dulled the Spaniard's traditional politeness, and if you knock at the garden gate in Rhonda or Segovia it is opened to you with charming grace.

Botanical gardens are instructive. Many of them originated as the source of supply of medicines, and are connected with the universities and medical schools. The nurseries are generally interesting for the kinds of plant material grown, and by writing them in advance a guide will be ready to receive you and show you around. The public parks are often very fine. Besides these the garden-minded person will wish to see the garden cities in Germany, Holland and Austria which are way ahead of ours in modern architecture and the communal arrangement of the grounds.

But when visiting private gardens, remember that you are accepting the hospitality of an individual and act accordingly. Do not go in parties of more than four after having obtained permission for yourself, never take small children and do not drive your car up to the front entrance without having first inquired at the porter's lodge for directions. Do not touch or pick any flowers, and if you say you are coming and change your plans be sure to notify the owners. If the gardener shows you around you may tip him.

So while traveling with the family, when their feet hurt from walking on the tiled floors of palaces and cathedrals and their backs ache from twisting to gaze upon frescoes, a half-day every now and then spent in a garden is restful to the body and recreative to the spirits. However, if you wish to go on a trip devoted entirely to gardens, do not take anyone along with you who is not as enthusiastic as you are. It will be torture for all of you; I speak from experience.

The lists of English gardens were furnished through the kindness of the Travel Association of Great Britain and Ireland in New York and through the Gardeners' Chronicle and the English Speaking Union.

• Shrewsbury Music and Flower festivals will be held August 19 and 20. The Wolverhampton Flower Show will be held June 14, 15, 16. The Leicester Flower Show will be held August 1 and 5. The Chelsea Flower Shows of the Royal Horticultural Society are held every fortnight in Vincent Square, Building and advertised in the daily papers.

LONDON PARKS AND GARDENS ALWAYS OPEN

• Green Park, St. James Park, Richmond (where the deer roam at will), Hyde Park (fine perennial borders), Kew adjoining (statue of Peter Pan). The Chelsea Physic Garden, formerly the garden of the Apothecaries' Guild, in the style of a 16th Century garden.

• Hampton Court Gardens, architectural with marvelous perennial borders, just outside of London. Kew Gardens, marvelous collections of plants beautifully grown, perennial borders, rock gardens and scenic.

Queen's Institute of District Nursing will open nearly 1,000 gardens this year for the benefit of the hospitals in America this list can be obtained from the Travel Association of Great Britain and Ireland. In England it is listed weekly in the daily papers.

EXCEPTIONALLY FINE GARDENS

• Chatsworth (formal and naturalistic) in Derbyshire. Blenheim Palace gardens, formal and naturalistic. Newstead Abbey (Byron's former home) in the New Forest, the Yew Walk and the gardens and old gardens of the Abbey. Memorial Garden, Canterbury, near Cathedral close.

• Nord Cotopax Garden Salisbury, Wisley gardens, Wisley experiment station, Surrey. Excellent rock and perennial plants; always open. Gardens in Stratford-on-Avon, garden back of Shakespeare's house; always open with a fee. Garden at Anne Hathaway's cottage; always open with a fee.

• Garden behind New Place; a charming (Continued on page 170)









THE lists of French gardens were furnished me by La Bienvenue Française, 19 rue du Four, Paris, France, by Monsieur Georges Truffant, of Versailles, and my own familiarity with them. The flower show at Cour-la-Reine takes place May 29–June 7, 1931.

BOTANIC GARDENS IN FRANCE

• Jardin Botanique, Bordeaux (Gironde). Jardin Botanique, Caen (Calvados). Jardin Botanique, Dijon (Côte-d'Or). Jardin Botanique, Marseilles. Jardin Botanique, Metz (Lorraine).

• Jardin des Plantes, Montpellier (Herault). Jardin des Plantes, Nancy (Meurthe-et-Moselle). Jardin des Plantes, Nantes (Loire Inf.).

• Ecoles Forestières des Barres, Nogent-sur-Vernisson (Loiret). Jardin des Plantes, Muséum d'Histoire Naturelle, 61 rue de Buffon Paris. Jardin Botanique, Rouen (Seine Inf.). Jardin Botanique, Rouen (Seine Inf.).

• Jardin Botanique de Talence près Bordeaux (Gironde). Jardin Botanique, Toulouse (Haute Garonne). Jardin Botanique, Parc de la Tête d'Or, Lyon (Rhône).

PUBLIC PARKS IN PARIS

• Parc Monceaux, Luxembourg. Un old French garden, with two Rose gardens and fine perennial plants in the typical French style, a garden all of Fuchsias and other lovely features).

• Tuileries gardens, Bois de Boulogne, romantic. Bagatelle with its famous Rose, perennial and Iris garden. Champs de Mars. Buttes-Chaumont. Parc Montsouris.

GARDENS IN AND AROUND PARIS

• Versailles, open to the public. At Versailles also the vegetable garden of Louis XIV now is School of Horticulture.

• You have to write for permission a few days ahead for all these following marked with a cross: Vaux le Penil (x), Vaux-le-Vicomte, Champs sur Marne (x), Pomponne (x), Chamant (x). Voisins près Rambouillet (x) and Maintenon, pay entrance fee.

• All the above are in the classic French garden style of Le Nôtre. Then there is the group of landscape gardens. (*Continued on page 126*)

LISTS of these gardens were furnished through the kindness of the Official Information Office for Tourists in Holland and from friends.

• Rotterdam: Park and concert place, naturalistic.

• Botanical Gardens: Jardin Botanique de l'Université, Amsterdam: Jardin Botanique de l'Université Technique, Portlandlaan 35, Delft. Jardin Botanique de l'Université, Groningen.

• At The Hague—Zoological Botanical Garden. Het-Loo. Bos Koop. Cantonspark, Javalaan 5, Baarn.

• Jardin Botanique, Leiden. Wonderful Beeches here and also fine collection of exotics from East Indies in the greenhouses. Botanical Garden, Landbouw-Hoogeschool Afd. Plantkunde, Wageningen.

GARDEN CITIES

• Hilversum, near Amsterdam: Ultra-modern buildings and schools with gardens around them. Wassenaar, near The Hague: People who have retired after serving in the Dutch East Indies live here. Velp, near Arnheim: Small village, very rich people. Laren, near Amsterdam: An interesting village, an artist colony.

THE HAGUE

• Duindigt: Estate of Mr. and Mrs. E. Yochems; rare Beechwoods, planted 400 years ago; several interesting small gardens in connection with the estate.

• Sir Henry Lowden's Estate and Garden. Sir Henry Lowden is President of the Royal Shell Oil Company of Holland. Charming Rose gardens and delightful châteaux and grounds. Peace Palace, open to public daily, except Saturdays and Sundays, from two to four; also first and third Sunday, and second and fourth Saturday of each month, from two to four.

• Near The Hague: The Queen's Palace and Gardens (The House in the Woods). "Voor Linden", Wassenaar, shown to visitors on telephone or written application beforehand.

• "Duindigt", Wassenaar, Leidsche Straatweg. Idem. "Clingendaal", Wassenaar. Visitors shown round on production of their introduction from the Official Tourist Office. The Hague. (*Continued on page 128*)

JARDIN Botanique, Leopoldstr. 24, Antwerp. Jardin Botanique l'Université, Liége.

• Antwerp: Urban garden suburb, containing some modern houses, many gardens and parks each of them featured by a château and a café restaurant.

• Laeken: Built in 1782-4. No admission to castle, but to grounds on certain days. Fine hothouses, Japanese gardens, colonial gardens—all well worth seeing.

• Liége: Modern architecture in the Quartier de la Place de Smet de Meyer. From mid-August to mid-September, the Begonia season, the establishments between Ghent and Loochristi well deserve a visit; autocar excursions are sometimes arranged. Apply to the Belgian Express, 10 rue de Flandre.

LUXEMBOURG

• Park west of town and Promenade de la Corniche, a charming terrace running along the top of the old ramparts; this park was laid out by E. André, a Frenchman. Castle and grounds of Sp. Gov. Prince Mansfeld, 1517-1604, in suburbs of Clausen.

GARDENS OF PORTUGAL

JARDIN Botanico Universidad de Coimbra at Coimbra. Jardin Botanico, Lisbon, considered the finest in Europe.

• At Lisbon: Zoological gardens with 18th Century grounds. Necessidades Palace. Alamida de São Pedro Alcantara. By trolley, the garden of the Marquez de Fronteira at Bemfica, private. Near by, the Monastery garden of São Domingas. Quinta dos Laranjeiras, private. Palace of Palhava.

• On road to Cintra is Queluz de Baixo, belonging to the Government.

• Cintra: Royal Palace and grounds. Panha Verde and many other gardens, says Rose Nicholls in her book, *Spanish and Portuguese Gardens*, such as Bibafria, Satiaes, Quinta de Ramalhao.

• Parks, naturalistic, of Quinta de Monserrato, Cercal de Bussaco, Quinta of the Duchess of Palmella near Lumiar. Baroque features are to be seen at Braga, Lamego, Bussaco. The cloister gardens in Portugal are fine.

THE gardens in Spain have [illegible] though there are fine modern public [illegible] in the patios of old dwellings, convents and monasteries.

• Madrid, Spanish [illegible] asteries and many of the cathedrals have fine plantings in their cloister gardens, and these are almost always open upon request and a small tip to the sacristan is appreciated.

• Cadiz, public park; Continental. Gibraltar, public park; English style. Algeciras, garden of the Hotel Reina Cristina. Ronda, El Jardin del Rey Moro, belonging to the Duchess de Parcent. Osuna with a small entrance fee. Two public gardens, one of them on the ramparts, one in front of the church at the end of the town. Also, the garden of the Hotel Reina Victoria and the Mondragon Palace's patios.

• Malaga: Public garden along [illegible] Gardens of La Concepcion and San José.

• Valencia: Monforte, modern, 19th Century. Public gardens Parque de Emilio Castelar. Jardin Botánico, a good looking one.

• Granada: Alhambra and its patios and its unfortunate restorations of old gardens. Generalife with its exquisite terraced gardens. The public parks along the Genil River. Garden of Don José Acosta, private.

• Córdoba: Patios of the Marqués de Viana, and of the Marqués del Mirado. The former monasterio de Jerónimo. These are in the hills beyond Córdoba, as is also the garden of Las Ermitas. Patio of the Museum of Art. Alcazar Gardens. Mosque Patio. Patios de la Casa de Los Reyes de Don Jorge.

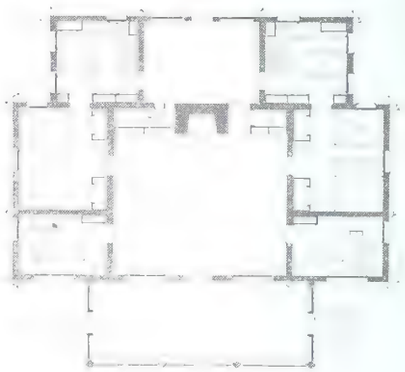
• Sevilla: Alcazar Gardens. Patio del Museo Provincial (Convento de la Merced). Maria Luisa Park. Gardens of the Exposition Grounds. Gen[illegible] Hotel. Patio de Las Veneables. Medinaceli Palace (Casa de Pilatos). Patio of the University. Former Alcazar Palace (patio for the tiles). Duke of Alva's Palace (Casa de las Dueñas).

MADRID

• Moncloa, charming old garden (a modern (*Continued on page 128*)



The ageless charm of log cabins



By Darragh Aldrich

WHAT is charm? No one has ever defined it satisfactorily. It is that intangible something which all want, few have, and none is aware of in himself—for charm cannot be self-conscious. Whether it is recorded of an individual or a house or a literary style, it connotes more than one grasp with the material senses. It suggests that elusive will-o'-the-wisp, "Personality"—gifted with a magnetic appeal.

For instance, when you are motoring alone a country road, why do you pass, with a mere admiring glance, a thoroughly correct villa with its carefully tended shrubbery and pull up short before some weather-stained old hewn log house such as the one here shown, which cuddles down in the low rolling hill of West Virginia? And—especially if you are a native born American—why does your heart flood with a sudden eager warmth, and a purpose that cannot be gainsaid: you *must* see the inside of that place! If the car were to go suddenly and teetotally out of gas, it could not be brought to a more effectual stop.

Visions float before your eyes of the days when this house was fashioned with painstaking, loving hands into a home for a pioneer family. The great hewn logs chinked with rough plaster, the fitted corners dovetailed with a nicety that even now shows no gaping joint, the plank doors that doubtless had needed to be barricaded more than once, and the quaint roof of thick shakes hand-split with cleverly wielded froe. The urge becomes too strong to resist. One consideration alone gives you pause: the memory of a similar attack of enthusiasm when, with as innocent an air as you could muster, you sauntered up to the door of an ancient hewn-log cabin and apologetically asked for a drink of water. Never will you forget the quizzical glance of your host as he bade you enter with all the genial hospitality of the old-time. "Light and come in". But as you drank the sparkling well-water he could not refrain from commenting dryly, "Seems mightly quare that so many trippers stopping by because they're so thirsty. Reckon must be right smart dry 'long this-a-way." Apparently instantaneous response to charm had become a cosmic force!

This time, however, we found ourselves in the home of one who was so thoroughly imbued with the spirit of the pioneer that he had made not one whit of sacrifice to the modern. Even the fireplaces were comfortably smoky, as if the kettles and broiling pans that swung from the crane were in constant use. Trivets held others ready at hand, and the ashes and soot in the grill bore mute testimony to veteran service. The deep stone hearth of the primitive home protected the jauntily uneven plank floor, with its scattering of hooked and handbraided rugs. The stairway was a conscientious rebuilding of the original that led to a sleeping loft above. At every point the cabin betokened the old timer, yet was perfectly adapted to modern holiday uses with the unusual luxury of two workable fireplaces—one at each side of the huge central chimney.

Whether or no it is the rising up within us of pioneer ancestors protesting against the extremes of our over-elaboration in living conditions, the fact is evident that there is a half-wistful harking back to the days when great men were born in log cabins, not stucco and stone castles—and, after this momentous event was past, spent most of their time out of doors. The chief difference between the old and the modern slant is that now we are beginning to associate our log cabins with jolly good times rather than with austerities—which merely gives an added impetus to the backward swing of the pendulum. In this sophisticated age, we are bringing an eagerness and a childlike delight to the occasional living in logs.

Now that we may choose at will from all the building materials at hand, we go after logs as the choice of choices for our playtime house. Logs handwrought into a home with the woodsman's axe. Or if this be denied us—we elect a material which will give the effect of logs. Just as the forest primeval furnished sturdy protection against the arrows of aboriginal gangsters, and gave an artistic setting to the first art of our historical drama, so it now yields us a pic-

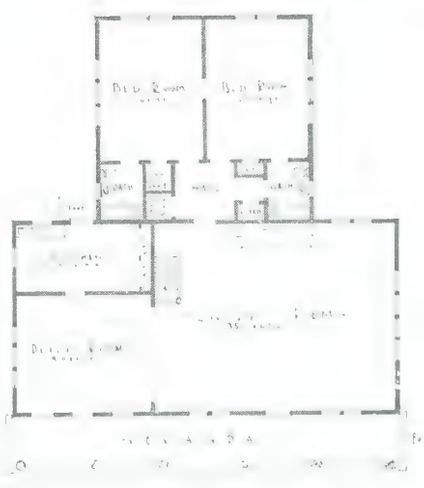


turesque medium for the developing of our ideas as to a cabin for holiday mood.

This honest-to-goodness pioneer log home of "ole Virginny" gives the keynote to a group of cabins which, in varying degrees, capture the spirit and charm of the real old timer. It has been said of this generation that they are taking from former days all that is really fine in architecture and making it a part of present day life by incorporating with it the latest contributions of science toward easeful existence. Fair enough—if this be true—to adapt old things to new duties. By way of extreme example, the glass doors of my own Quaker grandmother's cherished corner cupboard—"the very first thing I could see through the windows as thy grandfather drove the wagon into the yard of my new home on our wedding day"—these are likely to open soon to emit the latest "croons." And when I bend my ears to the southward, I hear a vanished voice from the other side of the family telling me of the seed of my race germinating within "the very first bricks brought over from England"—(which, be it whispered, did but encase the original (*Continued on page* 112)

OUTSIDE of Houston, Texas, is found this Southwestern version of the log cabin, which even boasts a porte-cochere and a rock garden. Its arrangement of rooms is less al fresco than the cabin shown opposite but it is commendably livable. It was designed for J. E. Josey by Stowe and Stowe, architects

THE log cabin on the opposite page was designed for all-year residence for one or two families. It is built in the style of Minnesota from black swamp spruce logs. The plan, shown below it, provides one big living room with bunk rooms and kitchens directly off it. Chilson D. Aldrich was the architect



Five cabins selected from different sections disclose local variations



THE log cabin of primitive Atlantic seaboard settlements consisted first of round and then squared logs, locked together at the corners and the crevices between chinked with moss or oakum. Over this, plaster was often spread as a finishing interior finish. In most cases, however, the beams and logs were left exposed. In restoring the log cabin illustrated on this page the earliest customs were followed. It stands on the estate of H. C. Franzheim, near Wheeling, West Virginia





OFTEN these old cabins enjoyed quite an evolution. As the family gradually increased, so was the cabin enlarged. It would begin with the main structure, and then sprout additions. This was probably what happened to the cabin near Wheeling, and the restorers have taken every advantage in swinging down the roof of the ell to cover the porch that extends across the front of the whole structure. The bare simplicity of this building gives to it an atmosphere of austere charm

Old style log house and new type siding

AMONG the latest styles in log cabin construction is to apply peeled log siding to a regular building base. The corner logs are mitered together and easily make a well-finished job. The same siding is used indoors for bunks and the finish of walls

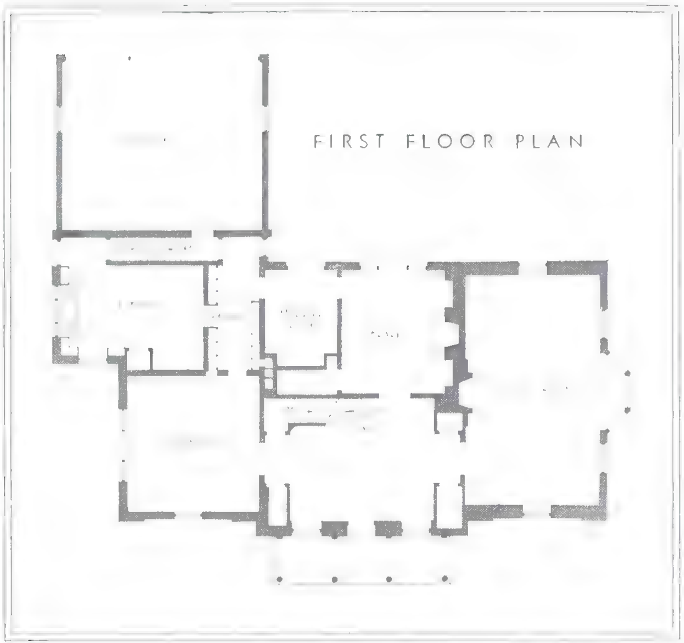
THE two interiors on this page, which contrast so sharply in their modern refinements with the interiors of the more primitive room shown opposite, are in two cabins on the Minnesota River near Minneapolis. Above, Dr. Kenneth Bulkley's; below, A. M. Libbey's. Magney and Tusler, architects



Henry Ellehy







A Cleveland boulevard displays this Regency house inspired by a Sussex example



Just as the English Georgian [illegible] is quite at home in the American countryside, [illegible] in its later development the Regency [illegible] our environment. This style is classical and serene. [illegible] moldings and [illegible] that [illegible] the type of house Mr. Mack[illegible] for his inspiration in this design. Pronounced [illegible] courses [illegible] and third floors [illegible] apparent [illegible] at the middle gable and counteract the vertical lines of the windows





Clarence Mack, Architect

True to precedent the plans show a balanced arrangement. An entrance hall is flanked by a long living room on one side and the dining room and kitchen on the other, with a morning room and library behind. The garage is an integral part of the house. Upstairs four master bed rooms and their attendant baths and two chambers over the garage fill a livable floor. Ample light and closet space are afforded

Among the features of the house are an entrance portico extending over most of the middle section, a well-designed bay window in the living room, and low walls extending to the property line, thereby tying the house down to its site and completing the scheme. Brick with white wood trim are materials that follow the usual traditions of this period. Mr. Mack served as both architect and decorator



Lowrey Still Leonard

Through the portico of the Cleveland Sussex house

Among the new building gadgets

Developments in residence equipment and construction • • By Gayne T. K. Norton

GLAZED CLAY TILE. Beautiful, colorful finishes, hitherto obtainable only through costly decorating, can now, we are told, be built into an exterior or interior wall or partition by the use of structural clay tile finished with a fritted glaze. This new and interesting material is "painted" with flame into luminous matte whites, midnight blacks and seven unique mottled effects ranging through cream tans and cream browns. The glaze is said to be as permanent as that on the finest English glazed brick.

The frit is made of various compounds which are mixed, melted at 2300 degrees, chilled and ground to an impalpable powder. This powder represents a new compound which melts at a much lower temperature. Successive coats of the glaze material are applied to the tile by a special machine; when the tile is kiln-burned a silica glaze results. Calcined colors are utilized; the various compounds being blended, burned, wetground, and the resulting powder screened before it is added to the glaze.

The finish is not affected by time, the elements or chemical attack; it will not stain, check or craze. Immune to dirt and grease, the glaze is easily cleaned and kept clean.

POP-UP BATH WASTE DRAIN. Long familiar as lavatory equipment, the pop-up type of waste drain is now available for the bathtub. Sanitary, sturdy, simple in construction and fool-proof in operation, the fitting is made for enameled iron and porcelain tubs, and the entire unit can be completely installed very quickly, doing away with the old chain and stopper.

Operation is as certain as the law of gravity. A turn of a china handle set in the overflow causes a weight to act on a lever, so forcing the outlet plug to pop up from its beveled seat; turning handle in opposite direction closes outlet. Screwed overflow connection, once installed, need never be disturbed. Overflow can be roughed-in and permanently assembled to tub, while operating units can be inserted after other construction is finished, eliminating risk of marring them.

Adjustment for variation in heights of tubs is provided. Monel pins in brass rod links resist corrosion and wear. Stepping on the plug closes it without at all straining the mechanism. Internal moving parts cannot slip off the handle stem. The stopper may be easily removed for cleaning.

Month by month this page records newly developed materials and devices of particular interest to those who wish to keep the construction and equipment of their homes up-to-date. Each device or product mentioned is actually available for purchase. The names of respective manufacturers will be furnished on request to House & Garden's Reader Service.

FIR FIBER INSULATION. Made from chips of Douglas fir, a new insulating board is claimed to offer high resistance to the passage of heat and sound waves because it is not laminated. The separation of the fibers from the softened chips, and the waterproofing and interlacing of these fibers into semi-rigid form, is all taken care of by patented machines.

The high efficiency of this material is also due to the absence of any filler or binder. When filler is used, many of the insulating air voids are closed. This product comes in one, one-and-a-quarter and one-and-a-half inch thicknesses. The standard size for roof insulation is four feet square, although other sizes are available. It is also made in rigid half-inch thickness for use as a plaster base, coming shiplapped in 12 and 18 inch widths. Fine enamel, polychrome and stencil finishes may without undue difficulty be applied.

MERCURY CONTROLS. With the automatic and remote control of apparatus developing on every hand, houses built before we entered the radio era seem now almost old-fashioned, yet such dwellings may be made "motor minded" with comparative ease. There is practically no home operation that cannot be electrified.

Automatic control means savings in fuel or current, savings in operating costs, additional comfort and convenience, and increased safety. Such controls are scare-proof; they never sleep nor leave their post, and they are extraordinarily sensitive.

Thus one series of controls made in many models offers the householder such a diversity of applications that all the uses have not yet been catalogued. In fact, new jobs that can be done by these accurate, rugged instruments are being discovered daily.

These controls can be used wherever it is desired to make and break an electric circuit according to changes in temperature, pressure or vacuum. The same instrument may be adjusted to give either close or wide control. They can be furnished to operate by flotation and by mechanical means, and they lend themselves readily to changes where special devices are required.

Warm air furnace fan control, temperature control in houses, garages, boat-houses, greenhouses and other buildings warmed by unit heaters, control of stokers, oil burners, steam boilers, gas furnaces, dryers, refrigerators, humidifiers, ultra-violet units, water softeners and heaters, pumps, low water in boilers, alarms are but a few applications.

There is no exposed arc; contact is made by a quantity of mercury in an hermetically sealed glass tube. Controls carry full line current with no corrosion or deterioration of contacts, which are permanently clean and instantaneous in operation.

OVERHEAD DOOR HARDWARE. By means of improved hardware the doors of any garage may be converted from swinging, rolling or folding type to the overhead operating type. A set of this hardware without lock may be secured at a very reasonable price. At slightly higher cost a first quality pine door, in many designs and equipped with this hardware can be had.

The hardware is of wrought steel; it is all inside out of the weather. Installation is simple; only four inches of headroom are required. Power for lifting the door is supplied by two coil springs. In operation, a slight pull on the outside handle or a push with the foot on the bottom of the door from the inside is all that is needed. To close the door the operator applies an outward thrust while grasping the pull cord.

Operation is so controlled that ample clearance is provided both behind and above the car; the rear bumper may be actually against the door when it is closed, without the door striking the top of the car when operated. The hardware is adjustable to varying door heights. (*Continued on page* 104)

Informal English houses

By Gerald K. Geerlings



[illegible] Cotswold halls of Worcestershire and rural cottages have a way of impressing themselves indelibly on the imagination of their beholders, whatever their [illegible] the customs they follow.

A Cape Cod [illegible] Cambridge [illegible] to [illegible] Americans. [illegible] removed [illegible] the Elizabethan quadrangle on which the master had his rooms. A century or more of growth had turned tendrils into [illegible] which clung so much mortar from the masonry that the latter was endangered. A young American college girl viewed the workmen and their results with an appraising eye for a short time and then turning to the master queried, "But surely *you* don't live in this ruin!"

Content to wear even the mantle of Cupid's Chaplain may have preferred to believe, he must have realized that this was a shrewd, though perhaps unconscious, recapitulation: to move the *Ivy Lodge* would be a ruin. And [illegible] to what most home builders [illegible] to let themselves understand, to try to create an English type of house without it [illegible] arable planting is merely building a "ruin." It is quite impossible to consider the English house intelligently adapted to America without all that the flowers, vines, hedges, tree-terraces and forecourts mean to the originals. They are usually far more responsible for the charming and lasting impression than the detail of the stone work, the number of panes in the leaded casement, or the oriel bay "too darling for words."

Architectural details may seem all-important on the drawing-board. So they are, as regards their [illegible] But what should not be lost sight of is that drawings are a means to an end, and not an end in themselves. The completed house and its surroundings will be judged and appreciated only by what they actually are—not by the validity of the excuse that the house looked perfect on paper. Uproot the most universally admired house in England, transport it and re-erect it unit by unit in an American suburb, set it down with only sidewalk and several shrubs for company—and you would not invite a friend to visit it. On the other hand, take a mediocre American house and transplant it in England amidst a setting which weds it to the soil and softens the harshness with living things—and its owner will declare it to be another house.

When one goes about building an English type of house it must be that he expects more than merely a shelter. Otherwise an apartment could be rented. The "something more" is the fellowship which comes from a home knit to the earth. But this is not acquired without the same thought which makes a [illegible] room emerge [illegible] a haven of good cheer nor without a considered expenditure like that for furniture, linen and hangings. Better to omit the costly architectural details which are survivors of eclecticism, and pay for flowered walks, hedges, forecourt walls and the setting out of new trees. Tree-shadow on the wall are more valuable ornamentation than the richest of Gothic tracery. Massed perennials and clipped hedges will make your English home more happy than will a carved entrance.

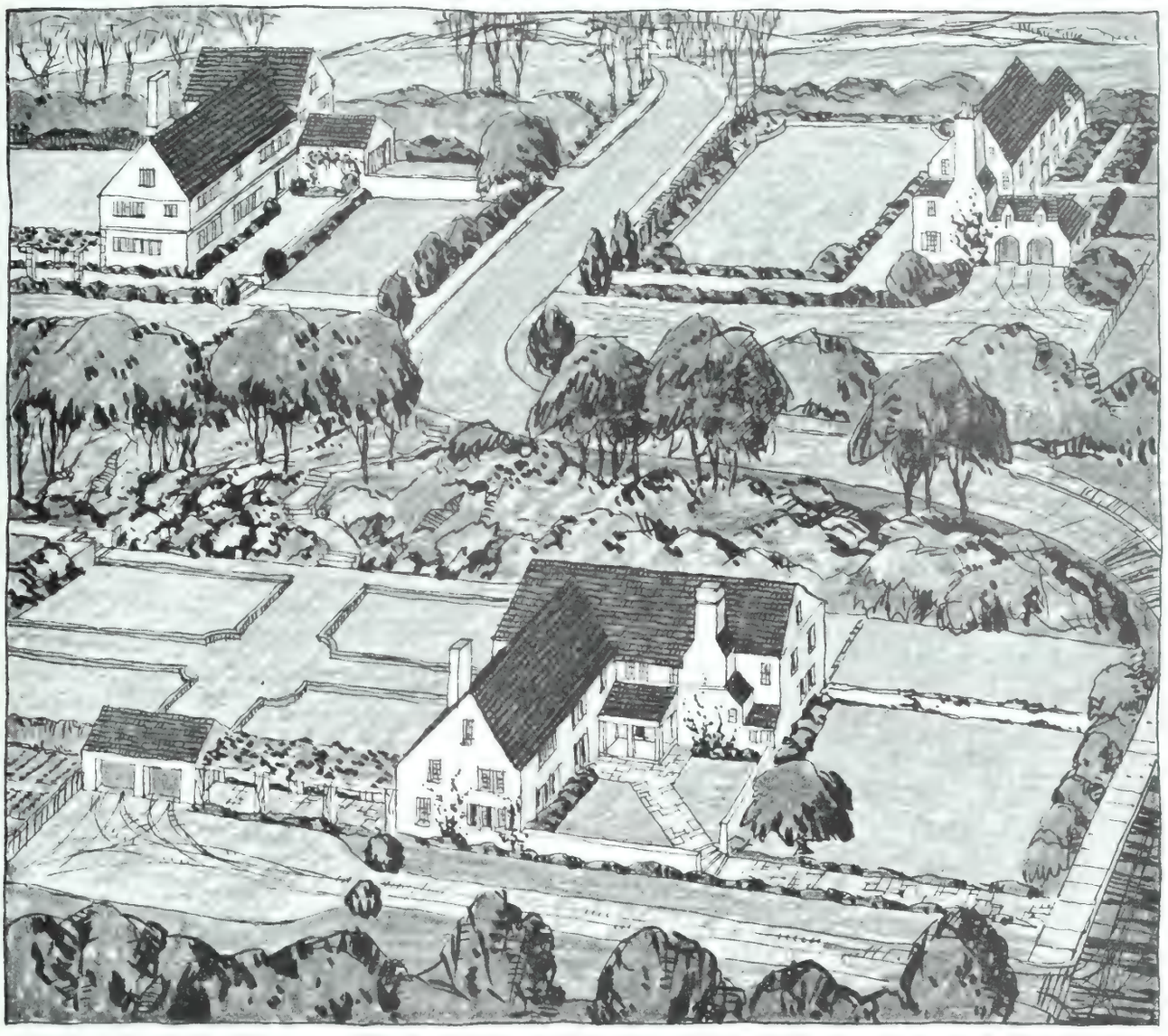
In looking at English gardens or photographs of them, it always seems that they "just happen." The flags of the walk are here and there elbowed apart by enthusiastic tufts of what-nots. The edges are softened by occasional clumps of flowers straining forward to have a look left and right at their competitors. Shrubs are massed against a wall, rather than a thin row of strung-out flowers. Vines clamber up on those parts of the house which might otherwise be drab or punctured by poorly grouped windows. Hedges carry out natural divisions of the site and make the whole place look "decently and in order." All these exhibitions seem natural enough—until it comes to departing and doing likewise without the aid of a good landscape architect!

The precedents of informal English houses, from the early Renaissance to those of the late 19th Century, and again at present by such architects as Sir Edwin Lutyens and Sir Giles Gilbert Scott, do more than set a standard for architectural details. They show an enterprising spirit to adapt the past to contemporary needs within the confines of doing the job with a fine feeling for composing an intimate home. The good English house never lets ceremony stand in the way of accomplishing its daily duty with the utmost candor and simplicity. Its method of attaining this end may not conform to one's personal preferences in all cases, but the principle is worthy of emulation.

At present there is much said in favor of modern functionalism. As regards the design of English houses and the use of materials which produced them, it is no new thing—except by name. If they do not look like Carbusier houses it is simply that they have added household beauty of an intimate nature to the function of the feature in question. In designing an automobile, as it were, they have put a body atop the chassis without in the least diminishing the efficiency of the latter. Take for example the wood houses of Sussex and Kent, typified by the lower drawing on page 95. There is not an extra inch of lumber or a scrap of ornament requiring an extra nail on the house. True, there is trim around windows and doors, but that is simply because it is better carpentry to stop the horizontal siding against a given line than to extend it to the window frame. There are little caps over windows and doors, to be sure, but it is simpler in



[illegible]



THREE designs appropriate for a flat site, with development of their surroundings to emphasize the effectiveness of terraces and hedges. The lower house has a little stone paved forecourt and a garage connected with a pergola. The one in the upper left is of weathered siding with overhanging second story. The last is a rambling type amenable to garage and service wing



AN adaptation of a house at Hurst Green, Sussex, which could be done in white siding, shingles painted or unpainted, or irregular siding left to weather. The plan locates the garage adjacent to the hall, whence there is direct access to the living room, main stairs and a vestibule to kitchen and servants' stairs. An octagonal dining room opens on a terrace with a vine-clad pergola

English precedents adapted to this country





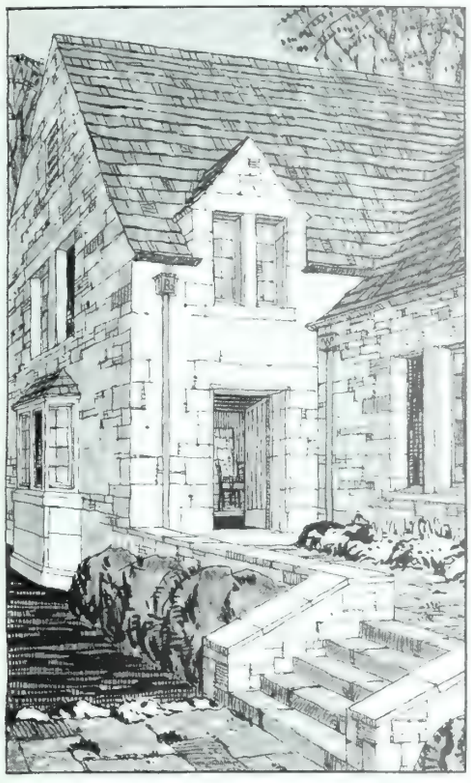
that manner to produce a leak proof house by inducing the rain to drip from the so-called "flashing." Or, in the matter of stone walls, as in the Cotswold house shown on page 97. If there is a more economic method of using odd bits of stone, large and small, it has been carefully secreted.

There is no reason why English houses cannot be the inspiration of homes demanding garages, sleeping porches, well-lighted basement playrooms, service wings—all in the manner which bespeaks America of the nineteen-thirties rather than the coronation of the good Queen Bess. But in effecting this change and that, some of the common-sense principles underlying their construction are well borne in mind. The theory of gravity and falling bodies was recognized unconsciously. Esthetically the old English houses always satisfy the eye by looking as though they could more than hold up their own weight. Too many modern attempts look to the gallery for applause as they invoke some sort of concealed steel hocus-pocus. Actually the only accomplishment is to make the eye doubt whether the house will long continue to be able to support a coat of paint, much less the weight of any human.

Other modern versions of the English house go in for the "arty" use of materials. Stone, brick, plaster, half-timber, etc., are tumbled in a contractor's hat, followed by jostling and incantations, apparently in the hope that out of it will come a mellowed marvel of the 14th Century. Every stage director does a stage set of that type once in his life, but unfortunately every builder and "developer" does it over and over again.

There is no objection to using more than one material on a house; in fact it is to be hoped that the architect will make intelligent use of his available palette. But stone, brick, plaster, etc., should not be hopelessly scrambled in a frenzied orgy to make one house more picturesque than all of England combined. After a long Beethoven number Stokowski's audience is grateful for introducing some light modern composition, but he does not essay to make a medley of them. No matter what the material, no matter how rambling the design, simplicity is always the first requisite for a successful house. Unless there be sufficient expanse of any one surface made of any one material, the effect is so restless that nothing is seen long enough to be appraised or appreciated. When the first violin is occupied with a solo it is inane to drown it out with all the brass. Particularly if the brass instruments take to playing another selection!

Some of the most admirable houses in England have been the result of successive alterations. Doubtless they were not planned as such, but when built the construction was simple, there was then no objection in going through one bedroom into another, and no plumbing or heating lines had to be taken into account. At the present time it often happens that when one builds there are sufficient funds only for kitchen service, garage, combination dining-living room and a modest stairs as the first floor quota. It is planned, let us say, later to use the first stairs for service, and to add a more ample entrance and stair hall, living room, library, and so on. There is no reason why this should not be



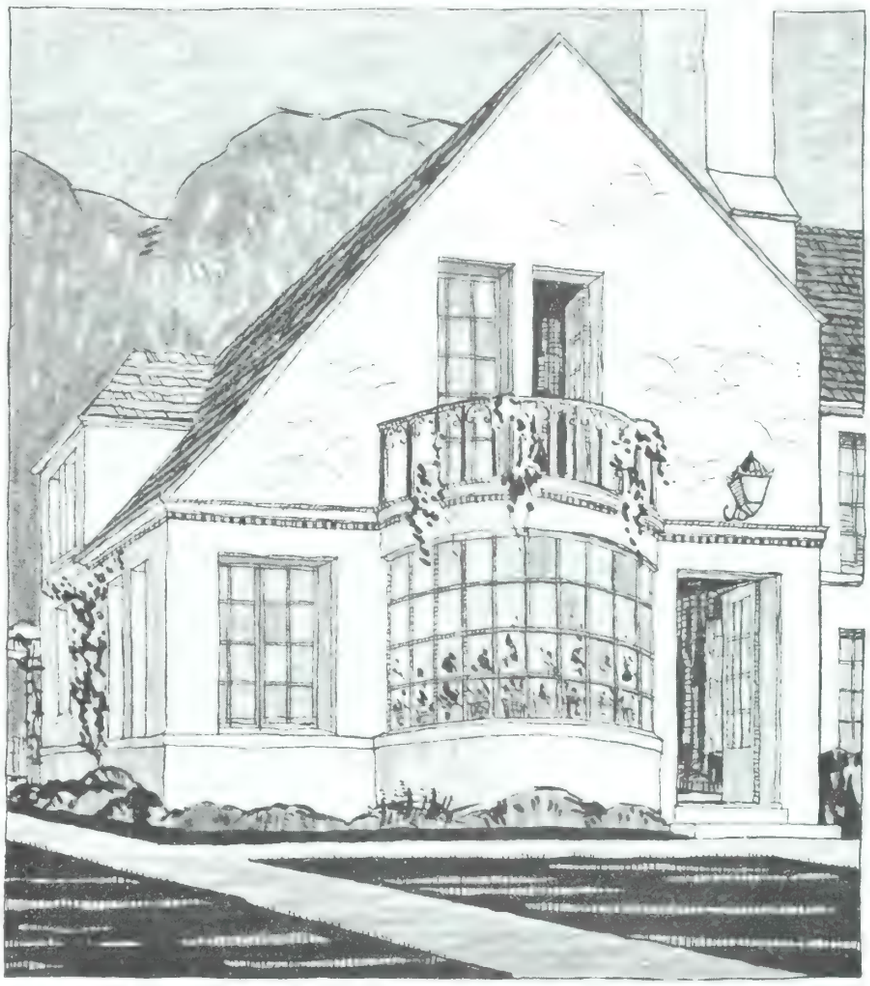
done, for no style is more gracious in lending itself to such additions than the rambling English house.

For example, the house shown at the top of the opposite page could first have had only the long unit to the rear with garage at the left, then kitchen, pantry, dining-living room and stair hall at the corner. Later the higher unit toward the front could be added, with an amusement room located in the basement. But when an operation of this kind is to be considered, it should be very carefully planned so that the necessary pipe lines will not cause both inconvenience and unnecessary expense in running them through the old portion of the house.

Another consideration important to the house which is likely to be added to in the future, is that of second floor planning. If the main stairs be built in the center portion of the original unit, then rooms added at the ends will have no means of connection without radical changes to the second floor. Old rooms would have to be robbed in width to allow for a new corridor. Carefully considered cross-ventilation would be lost. It is therefore generally advisable to place the main stairs at the *end* of the first unit to be built, so that an additional wing will naturally lead from it without any interruption to the old portion. This can be readily visualized by again referring to the upper drawing on page 96. The original bedrooms would be in the rear wing to the left of the corner stair tower, while the new ones would be in the wing toward the front.

When looking at any mellow old meandering house in (*Continued on page* 120)

Adapted details embodied in informal residences upon this side of the water



In the upper part of the page the symposium of suggested details of a colonial cottage shows that it is not the colonial room [illegible] which makes its features desirable. It is rather in the use of small units of stock to make up the general run of the wide and large units in the corners and around wall lines and door openings. Horizontal courses are carried through about every eighteen inches. The bay at the left is modeled after an example seen at Broadway, Worcestershire, in which the base is stone, the upper members of wood. Metal roof intersections in valleys for better appearance and craftsmanship to have the stone or tile form a curved valley rather than a straight one lined with metal

A [illegible] consideration of the informal English home is that it responds to the needs of its occupants. The bowed bay window for the lover of potted plants, or for the enjoyment of sunshine or a desirable view, comes from Mold, Surrey. The drawing includes some revisions, as substituting stucco with restrained texture for the red hung tiles above the [illegible] on the original and painted white brick below. The upper part of the bay would be constructed of some light material, preferably wood; the remainder could be in shingles above with painted brick below, or all brick. Where an important feature such as this bay is not located in the center of the gable, the design requires careful study to offset the lack of balance







Unusual handling of the brick gives this small house interesting style

BY ADVANCING the successful brick-and-tile motif we have created a pleasantly rough surface to the walls. The tiles are hung with the same set used for the roof. The brick is used in rough-cast and arch. Casement windows with opening sashes complete the cottage atmosphere. Thompson & Churchill, architects. Francis H. Bloxam, decorator.

This residence, the home of Francis Watson, at Dobbs Ferry, has the L-shaped plan of the English cottages. This gives a long living room with the hall entrance and dining room in the main body. A porch is off the dining room. The wing extends as a wing from the living room end. Upstairs two master rooms and a servant's room provide adequate space for a small family



THE BASQUE farmhouse is a simple, picturesque home of gentle proportions. It always has one long sloping plane to the roof on the exposed side, giving the house an original shape. Triangular vents beneath the eaves are also always present, for the pigeon family. Unfortunately, most modern versions of the Basque house are spoiled by being too high and having bad proportions.

A SIMPLE PLANTER crossed entrance marks the front; on one side is the balcony of an upstairs bedroom. The walls are stucco brushed down in white wash against which glossy dark shutters stand out in relief. A low wall encloses the property. Such a small house might well be adapted to our own American countryside. The little garden within its walls would give a fine play for the imagination





The Basque peasant farmhouse takes modern form at Biarritz

The Gardener's Calendar For May

... gardener's labors is ... n their proper seasons. It is fitted to ... Middle States, but ... countries ... it, for every one hundred miles north or ... south, allowance is made for a difference of from five to seven days later or earlier in the time of entering on the operations. The directions ... an average season.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
The Year's Awakening—1636 ...		... satisfied their desires so much as plants have done ... that upon vast and wealthy estates ... Let it delight ... proved ... before ... greatest delight is ... to ... would the great ... beds ... with a ... and ... of ... Orange ... and ... of ... great ... of ... and ... early ... *Lord Bacon (1625)*			1 ...	2. ...
3 ...	4 ...	5. ...	6 ...	7 ...	8. ... Corn, Lima Beans, Tomatoes and Peppers ...	9. While the fruit trees are in flower they should be well sprayed with arsenate of lead and Bordeaux mixture to kill the codling moths and other pests. Three applications should be made at the present time, just as the petals fall, the second time ten days later.
10 ...	11 ...	12 ...	13 ...	14. Ascension Day ...	15. ...	16. ...
17 ...	18 ...	19 ... growth. The same ...	20 ...	21 ... for spring planting ...	22 ...	23. ... keep them regularly watered during dry weather.
24 ... magnificent in appearance.	25 ...	26 ... the fresh material is ...	27. ...	28 ... healthier, attacking ...	29 ... every day you keep ...	30. Memorial Day. ...
31 ...						

☽ First Quarter ... W

○ Full Moon ... 1

● New Moon ... 1

☽ Last Quarter ... 1

First Week: Windy, dry, unseasonably cold.

Second Week: Period of unsettled weather, some rain.

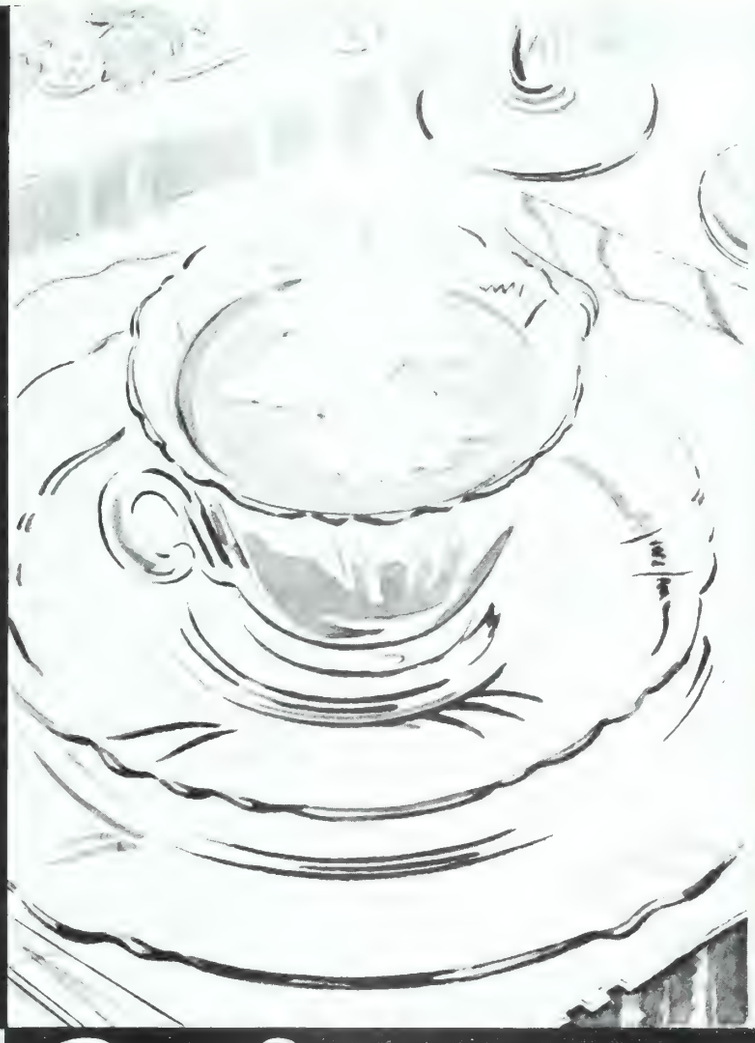
Third Week: Fair, mild, summer showers.

Fourth Week: Everything that May ought to be.

When The Grass-lands Awake On Old Doc Lemmon's Farm

... than the sight o' grass-lands gittin' a-goin' in the spring. Ye'd think there'd ... not for me. ... it ain't only that. Seems to me it's more likely b'cause, when mile after mile ... ag'in. The fust frogs are a sign, an' so's the fust phoebe-bird. But they ain't got the authority o' the hay-fields.

"For the grass-lands don't make no mistake. No warm spell in April fools 'em like it does some o' the early flowers an' such. They'll lay back under the shelter o' last year's stubble till they're dead certain o' things. It ain't until along in May thet they make up their minds, an' then they don't never turn back. Sure an' steady an' brimmin' with life, then, they lift their heads an' go a-marchin' on towards hayin' time."



LOOK FOR THE RED-AND-WHITE LABEL

Pea Soup with all the skill of famed French cookery!

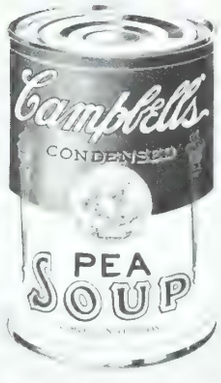
Do you fully realize the charm and adaptability of a splendidly made Pea Soup?

The hostess finds in its exquisite flavor an infallible ally. The meal-planner responsible for a family's daily menus soon discovers that good Pea Soup is remarkable for its nutritive richness—and always welcome to the critical family appetite.

French chefs, with centuries of culinary tradition behind them, blend Campbell's Pea Soup. Sweet, dainty peas, golden creamery butter, the subtlest seasoning and the "touch" of the true French cook — all combine to make this a soup that answers the most exacting requirements. Often you'll prefer to have it *creamed* according to the simple directions on the label. Serve it today!

Your choice . . . Every soup you ever want, at its delicious best!

Asparagus	Mock Turtle
Bean	Mulligatawny
Beef	Mutton
Bouillon	Ox Tail
Celery	Pea
Chicken	Pepper Pot
Chicken-Gumbo	Printanier
Clam Chowder	Tomato
Consommé	Vegetable
Julienne	Vegetable-Beef
Vermicelli-Tomato	



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IRELAND
FRANCE
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NORTH GERMAN LLOYD

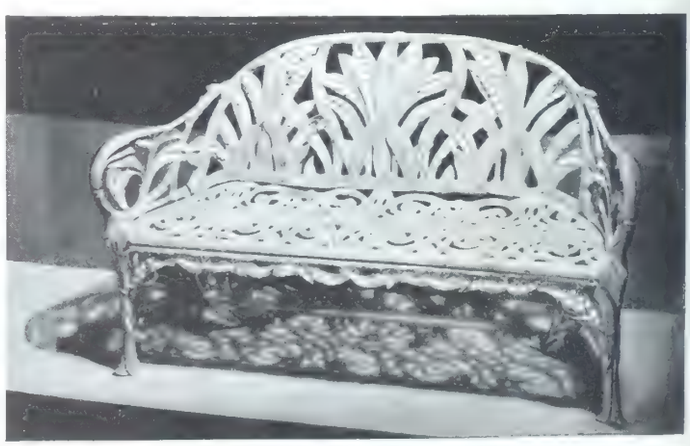
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Madame Anderson





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*Treasure Silver Service is designed to suit the discerning demands of Seventeenth Century American, Early English, Georgian or Spanish, each pattern service of correct table utensils and hollow ware with the decorative ensemble of wood, glass or linen for a variety of the period. "The Modern Way to Choose Your Silver." Dept. B-4.

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Eleanor Beard Inc.

Kentucky Hand Quilted Things



Eleanor Beard does smart new things to her lovely "Germaine" Robe—giving it a slim, fitted waistline, a chic, flared skirt and a sophisticated air of luxury! For the chaise longue there is the exquisite "Uffizi" coverlet, plain centered, with a beautiful border of trapunto quilting—and a pair of pillows to match. The coverlet is cleverly cut at the foot, with an oval line following the contour of the chaise. Eleanor Beard's original styles in fine hand-quilted creations bring individuality and gracious comfort to the boudoir of today.

Germaine Robe, in crepe satin, $55.00. Uffizi Coverlet, $50.00; matching pillows, $20.00 each.

FOR YOU *A fascinating Portfolio illustrating Eleanor Beard's beautiful Hand-Quilted Things for Bedroom, Boudoir, Living Room—charming Robes and travel comforts. There is no charge for the Portfolio—won't you write for your copy today.*

ELEANOR BEARD STUDIO · HARDINSBURG, KY.

NEW YORK	CHICAGO	PASADENA	SAN FRANCISCO
519 [illegible]	[illegible]	41 So. El Molino Ave.	[illegible] Sutter Street
DETROIT	SANTA BARBARA	LOS ANGELES	LOUISVILLE
[illegible] Bldg.	[illegible]	Bullock's-Wilshire, Wilshire Blvd.	120 Heyburn Bldg.

Among the new building gadgets

(CONTINUED FROM PAGE 93)

REFRIGERATOR-SINK COMBINATION. For use in small kitchens, pantries or elsewhere as convenience may suggest, there is an electric refrigerator-sink combination unit that saves space, steps, time and labor. The standard sink ... is completely insulated from the ... refrigerator below. Doors are operated by foot pressure on ... recessed in the toe space along the front face; this feature eliminates hardware. The unit, built on plain, simple lines, is available in colors and in two sizes with drain board at right or left.

PUTTY-LESS WINDOWS. One make of all-welded steel windows for basements, garages and barns employs patented clips on the vertical muntins to hold the glass against cushions of chemically treated cork. This puttyless glazing is guaranteed to be water and weather proof. Anyone can set a new pane of glass in a minute.

A basement sash combines storm sash and screen in one frame; glass may be removed and panels of galvanized or bronze screen cloth inserted. By the same process a glazed storm door may be quickly converted into a screen door. Both the basement and the general utility sash are drilled and tapped ready to be fitted with special metal screens made for them.

BUILT-IN HAMPER. A hamper made to be built in the wall of bathroom or bedroom saves floor space and provides a convenient deposit for laundry. Of steel, with highly polished finish in colorful variety, design of the hamper is graceful and all fittings are of untarnishable chromium plate. The entire front is detachable, making the compartment readily accessible.

Operation is simple. A large louvred door ... an opening through which bulky pieces pass easily. Ventilation prevents mildewing. Smooth, rounded corners ... [illegible]

METAL AWNINGS. Metal awnings for homes ... and ... windows afford permanent all-year protection, reducing the rate of ... sash and keeping these members from swelling and sticking. These awnings permit the opening of windows for ventilation during storms and keep rain from blowing in; they serve as a shade against the heat of the sun. Made of sheet steel in various styles, they may be painted in any desired color; they will fit all doors and windows of standard size.

COLLOIDAL PAINTS. Since the earliest days paint coats and pigments have been ground and mixed with the vehicle. Now, by a recently perfected process, they are not ground, but ... to a much greater fineness, and colloidally dissolved in the vehicle, without the use of fillers. Chemical reaction replaces the paint mill.

These paints settle but very little and never become hard in the bottom of the package. They are made in white, all the primary colors and a wide variety of tints and shades. These colloid process coatings include gloss and flat paints for interior and exterior use, and shingle and wood stains. Uniformity and durability of color, absence of brush marks, and great hiding power distinguish them. They may be applied to any sort of clean surface including stone, glass or metal. In a colloidal solution each solid microscopic particle is charged with negative electricity and consequently has a repulsion for each other particle. This prevents the particles from grouping or clumping together.

COUNTER FLOW BOILER. Constructed with total disregard to the usual methods of design, a new type boiler with built-in burner has the combustion chamber at the top and the flues below. This boiler has proved its efficiency by thorough test. Operation is as follows: The available heat in the fuel, either oil or gas, is released by combustion in a revolving flame. Theoretical flame temperature is 3700 degrees. Temperature throughout the combustion chamber is 1750 degrees, so that more than half the heat is absorbed by the water surrounding the chamber.

The remaining hot gases are passed down into narrow openings, or flues, between a series of flat water tubes. The tubes are baffled so as to cause a scrubbing action of the hot gases against the walls of the flues, resulting in an almost complete transfer of the remaining heat into the water sections. The combustion chamber, where the hottest gases are, is located above and the hottest water, rising naturally, moves toward the chamber. Only this—the smallest amount of the water—circulates and it absorbs the bulk of the heat. The cooling gases, passing downward, warm the cooler water in the tubes at the bottom. Thus the boiler is built like an automobile radiator. It utilizes the "counter flow" principle of heat transfer.

The oil burner engineered into this boiler is also different in that it atomizes the fuel and burns it in suspension without the aid of a refractory surface. Mechanical draft is employed, the fan-driven air leaving a "direction" chamber with a whirling motion. Both burner and boiler are equipped with automatic controls. The boiler may be procured with a built-in water heater.

Quick heating, low installation cost and quiet operation are points in favor of this unit emphasized by the maker. An insulated door on each side, when raised, gives access to the flue sections for cleaning. Above each flue door is a series of hand holes giving access to the water tubes, while return line openings are located close to the floor. If necessary the tubes may be flushed clean of lime deposits or sediment.

WATERPROOF CONCRETE. Good waterproofed concrete may be made with a Portland cement that has the waterproofing ground with cement clinker during manufacture. Such waterproofing is correct in amount and is uniformly (Continued on page 120)



emphasis in the Cadillac V-8 Roadster, ill
the exceptional performance assured by Cadillac's V-type engine design—it is one of the smartest creations since the vogue of the Roadster began. Cadillac V-8 prices range from $2695, f.o.b. Detroit.

It has often been said that deep in the hearts of a majority of motorists is the ambition to own and drive a Cadillac. Mindful of this, the Cadillac Motor Car Company has striven, year after year, to bring its products within reach of an ever-increasing number of people. Today, this purpose has been fulfilled in exceptional measure—for the distinguished Cadillac V-8, expressive of everything that has come to be associated with the name Cadillac, is offered at prices ranging from $2695.

CADILLAC V8 12 16



Interior Decorator: [illegible] — Carpet furnished by F. Schumacher & Company

This is the dining-room of a beautiful home in Fieldston, New York City. Individualism is the dominant note. Our actual color photograph, unretouched, shows how the Collins & Aikman Carpet has been designed to focus attention upon the center of the room, with the table itself as a centerpiece. With Collins & Aikman Carpet, you start with an idea — and work it out to suit your tastes.

"YOU MEAN I CAN HAVE MY CARPETS DESIGNED TO ORDER? . . . AND seemingly seamless"



Since the announcement of Collins & Aikman Carpet, those who have seen it in leading department stores, and at decorators, have been quick to appreciate the startling advantage it offers: An apparently unbroken surface—a broadloom effect—selling at the price of ordinary narrow-width carpet with stitched seams. This, in itself, establishes a new standard of comparison.

But another feature, of special interest to those with an eye for decorative values, is the opportunity to choose individual color-blendings and designs—and have them made up in Collins & Aikman Carpet without special weaving. Most people, of course, are leaving this sort of thing to their decorators. But the fact remains—you can now, for the first time, design your own carpets, if you are so minded.

The revolutionary feature of Collins & Aikman Carpet is the manner of joining the 54-inch widths, to give a one-piece effect. The unique resilient back locks the pile-fibres firmly, and allows the carpet, when cut, to form its own selvage. Widths are joined by pushing edges together and applying a tough web of strapping to the back. The thick pile meshes at the place of joining . . . the finished carpet is *seemingly seamless!*

Because of this construction, any number of colors may be used, for borders and inlaid designs. Patterns are limited only by your imagination, or that of your decorative adviser. With this idea you have chances for individual expression in your carpets never possible before. When you write for our illustrated booklet, enclose ten cents, and address Collins & Aikman Corporation, 25 Madison Ave., New York.

©—41

COLLINS & AIKMAN CARPET

SOLD BY LEADING STORES AND INTERIOR DECORATORS



For me Sterling Silver is NOT ENOUGH

"THERE'S something about my Watson Sterling," said she, "that's more precious than silver —and more rare."

Yes, and *craftsmanship* is the word for it.

It's the patient, precise work of skillful hands. It's fifty years of experience. It's superior ability and training of artists and artisans who now create those unmistakable "extra values" in modern Watson-mark tableware. In each separate piece this perfection of Watson finish and finesse is worth more than the precious metal itself.

For this season of weddings and anniversaries, we present two more patterns in Watson Sterling—*John Alden* and *Tuscany*. One carries the colonial tradition of the New World into modern homes. The other, by name and origin, pays modern tribute to the Old World home and high achievement of Benvenuto Cellini.

When you want "something more than sterling," you will enjoy by sight and touch the richness, excellence and "extra values" of this tableware. It is made by Watson craftsmen for selected jewelers in each city.

Write to us if you would like to have free folders showing other patterns of Watson-mark tableware and 100 other gifts. THE WATSON COMPANY, *fine ware in sterling silver only*, *Post Office Section 779*, ATTLEBORO, MASS. District display rooms in New York, Chicago and Los Angeles.

Watson Sterling

SIGNIFICANT FACTS

Watson craftsmen begin their work with bars of pure silver bullion. Every step in the designing and creation of Watson-mark Sterling tableware is performed by our own craftsmen.

Any jeweler's microscope will confirm your impression of superbly smooth finish on Watson Sterling.

Watson-mark Sterling knife handles are more rigidly reinforced and joined to knives by sealed-flange joints impervious to hot water. Never loosen or bend.



JOHN ALDEN
salad dinner fork
TUSCANY
teaspoon

Two famous patterns in Watson-mark Sterling. Illustrations show actual size.



Unduplicated pieces made for an eminent collector by Watson craftsmen. While executing private commissions, we will supply equivalent pieces for use. Consult your jeweler.



From left to right:

ONSLO — A distinctively patrician pattern, used in Windsor Castle.

CELLINI — A replica of a key design by Cellini from a French museum piece. Hand made. Three tine fork.

FRENCH DESSERT SPOON & FORK — Golded Silver. Hand made. A sumptuous design for the formal dinner.

PISTOL HANDLE FAT TAIL — Seventeenth century design of unique, interesting character.

FAT TAIL — Splendid example of the purest classic lines of English silver. Intaglio monogram.

THERE is rich tradition back of silver by Brand-Chatillon. It is the silver of royalty, nobility and connoisseurs—knowing people who are never satisfied with the mediocre or commonplace.

The five representative patterns shown here are typical of the many exclusive designs—both historical and modern—which comprise the famous Brand-Chatillon Collection. Complete sets of 12 dozen or more from $400 to $1800. Also sold in individual dozens. Send for booklet.

BRAND ~ CHATILLON
INC.

775 FIFTH AVENUE *Savoy-Plaza* NEW YORK

Cooking in small places

(CONTINUED FROM PAGE 76)

three-top burners may be had and the oven may be low or above the cooking platform. These stoves are designed to give maximum cooking capacity in a minimum of floor space, and have unusually quick cooking platform units and insulated ovens. The finishes are attractive gray enamel, or a combination of black Japan and white nickel, easily cleaned. These splendid ranges may be had as small in floor space as 20 by 24½ inches. Types with low ovens have a convenient appliance receptacle for toaster, etc. Heavy wiring is needed.

The same company also presents hot plates in single or double sizes which are ideal as an auxiliary unit or where only casual cookery will be demanded. These come in one, two and three heats, are unusually hot and are made to be used with an ordinary light outlet. Others run to [illegible] heats and watts.

MANUFACTURER "B" is another firm of sterling reputation. He claims that a meal for six persons can be cooked on his modern portable electric stove, which connects to any convenient outlet. It roasts, bakes, broils, stews, steams and fries. When not in use, it can be put away and the space utilized for other purposes. This concern also puts out a fine group of heavier stoves in the smaller sizes, all of the features which have made them of note outstanding. 17½ by 24 inches is all the floor space needed by these fine electric stoves which have two of the cooking units on the platform and an under oven.

This firm also makes a small range and grill oven which occupies a very minimum of space. Thermometer, white porcelain enamel cooking top, reversible switches and appliance outlet are a few of the features of these sturdy ranges. Special wiring is, of course, needed.

A single-unit hot plate with choice of three or open coil is also a feature of this company's line. Three heats are furnished. A portable oven unit [illegible] heat control or three heats as desired is another item they offer.

STANDARDIZED interchangeable parts are a distinguished feature of the electric ranges made by manufacturer "C". Therefore there is no difference in the quality in the various priced ranges. The surface cooking plates are of either open or closed type and a glazed glass oven door prevents the necessity for constant opening of the oven with consequent loss of heat. The shelf type of kitchen unit ranges is highly convenient and takes up a surprisingly small amount of room. The oven may be situated at the side, right or left, or over the open plates, two or three as desired. A two-plate model with covered oven measures only 16 inches in width, 19½ inches in depth and 36 inches in height. The ovens are aluminum-lined and equipped with two heaters, the upper a broiler.

Some of these ranges have choice of glass or solid doors, others solid only, and some have a convenient appliance receptacle. Assembled with the kitchen cabinet, these compact ranges make a most practicable unit with tools close at hand. Heavy duty wiring is essential. This company also furnishes a model to be built into a wall. It consists of a cooking top and three hot plates and an aluminum lined oven above. It comes complete with a wall box, ready for installing in recess.

A FEATURE of manufacturer "D"'s line is a small standing model which takes up no more room than a chair and which can be attached to any floor or wall outlet without special wiring. It has two burners and the oven cooks quickly and efficiently, and has sufficient capacity for an average size family. With two cords the stove has a maximum wattage of 2400. A single cord connection furnishes a maximum of 1020 watts and consequently can operate the hot plates and the oven independently but not together. The exceptionally low price of this stove is notable, especially in view of the fact that its oven is constructed in the same way as this company's heavier ranges, with mineral wool insulation, steel lining and a temperature indicator. Stored heat is used for much of the cooking.

A heavier stove with higher wattage may be had in similar shape, with oven heat indicator, adjustable damper and insulated combination oven and broiler. The portable table ranges of this company are well known, with two or three heats and one or two cooking units. They are ruggedly constructed, of fine appearance and operate from wall or floor outlets. The smaller model of less power will even operate from a lamp socket.

A MOST ingenious appliance at a very moderate cost is the tiny, yet effective table stove of manufacturer "E". It is an attractive addition to either the city kitchenette or the cabin where electricity contributes its time-saving conveniences. It plugs right into the wall outlet and measures only 21 by 13½ inches, with a height of 7¾ inches. Yet it contains two high-speed surface cooking units. The distinctive feature of this unique stove is its drawer oven, convenient to use, easy to clean and of generous capacity. Much of the oven cooking is done on stored heat as the use of asbestos in its construction confines heat to the stove itself.

MANUFACTURER "F" has met the modern demand for space conservation in a splendid "rangette" which represents the last word in electric cookery. This range, too, connects to the wall outlet and operates without special wiring. Because of its compactness and ready portability, it is ideally suited for either the tiny apartment or the small country home. This range with its 14 by 14 by 17½ inch oven and two top cooking units takes up only 19½ by 24¾ inches of floor space. The automatic temperature control not only saves current, but eliminates the need of any supervision during the cooking time.

This same manufacturer can provide the heavier ranges in small sizes, with two or three top units and a 24½ by

(*Continued on page 108*)

The new way to keep a Travel Diary





Make Home Movies as you go — with this $75 Ciné-Kodak

THOSE jolly people in Switzerland. Those charming places in Italy. Will they gradually fade in your memory like receding shores from the stern of your home-bound ship? Keep them forever—in movies. Movies that you make yourself with a Ciné-Kodak.

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Ciné-Kodak — *SIMPLEST OF HOME MOVIE CAMERAS*



From the Land of the Poppy

[illegible]



A [illegible] pattern by Minton which presents Chinese motifs in [illegible] in all sizes.

Wm. H. **Plummer** & Co., Ltd.

IMPORTERS OF

Modern and Antique China and Glass

7 & 9 East 35th Street, New York

NEW HAVEN, CONN. [illegible] Chapel St. — Newport, Rhode Island — HARTFORD, CONN. [illegible] Farmington Ave.

Cooking in small places

(CONTINUED FROM PAGE 106)

16½ inch oven. These take up approximately the same amount of floor space, and require the special heavy wiring. And then the one-, two- or three-burner hot plate will come in for consideration where space is limited and only top stove cookery is in order.

MANUFACTURER "G" has evolved a [illegible] broiler and grill combination which, by its capacity and substantial construction, can be classed with electric stoves rather than placed in the appliance family. This unique little stove operates from a regular wall outlet. A feature of its success is the fact that the broiler and top burner can be used together through automatically reducing the wattage of the top plate when the broiler is in use, so that the electric line will not be called upon to carry more than its capacity of current.

PARTICULARLY suitable for cooking in a small space is the automatic electric range offered by manufacturer "H". This splendid stove, mounted [illegible], stands 37 by 23 by 25 inches deep. Replacing the usual legs is a supporting bracket fastened to the wall. Four cooking plates on top, and an oven underneath, successfully combine economy of space with large cooking capacity. On each side of the range is a receptacle for connecting a percolator, [illegible] or other [illegible]. [illegible] feature, built right into the stove itself, [illegible] be operated when cooking utensils are [illegible].

MANUFACTURER "I" includes in his line of coal, gas, electric and combination ranges an electric stove with real cooking capacity where [illegible] this range is highly desirable, requiring 18 by 24 inches of floor space, and furnished with selective oven switch when made with automatic temperature control. Another model has been built to meet a variety of conditions. It is legless and can be set on a table, shelf, wall or brackets. It takes up [illegible] inches of floor space, has two cooking top units, broiling and baking oven, and is made with and without automatic temperature control.

MANUFACTURER "J"'s electric ranges include a stove [illegible] inches in length, finished in all white enamel, and furnished in sunshine yellow and nile green as well. It is equipped with large bake oven, three unit cooking top, built-in kitchen heater, and is most suitable for cabin use. In addition, where storage space for utensils is small, this manufacturer offers a number of types of cabinet [illegible] which can be used in place of legs, beneath some of their models.

BEFORE closing the purchase of an electric stove of any type, the characteristics of the electricity to be used should be secured from the electrical company and the voltage and kind of wiring discussed with the stove salesman. It may be found more economical to install the heavy wiring, after pros and cons have been gone into. For in some cases it will be found that only certain combinations of cooking can be done on a wall outlet range which otherwise seems to fill every need. For instance—both top units may be used at once, or one burner and the oven but not all three simultaneously, so that the actual working capacity may not be as great as appearances would indicate. For when an appliance is rated at more than 600-1000 watts, heavier wiring is necessary in homes long wired. Newer homes are being wired up to 1500 watts.

THE gas stove has long been a standard for the small city kitchenette and the recent developments in tanked gases have brought this convenience into many kitchens beyond the reach of urban public utilities. A gas stove sufficiently compact yet with automatic time and temperature control furnishes an ideal solution of the rural problem where both space and time, as well as cost of operation must enter into the equation. Where one of the many bottled gases is to furnish the fuel, the stove company should be told the kind of gas to be used. The burner will then be closed down to accommodate the variation from the standard city gas.

A KITCHEN which permits of a stretch of floor space 57½ inches by [illegible] can benefit from the ingenious combination of heat and cold—the noiseless gas refrigerator of manufacturer "K" combined with the side-oven gas stove of manufacturer "L", a [illegible] piece of equipment which [illegible] by using the "ice box" [illegible] for the stove.

MANUFACTURER "M" will provide the apartment house type of gas range which is attached to the top of refrigerator or other table space to furnish greater cooking convenience and efficiency with its overhead oven right or left swing door, heat regulator and lighter. This company will also furnish a gas hot plate of one, two or three burners where this less complicated equipment is all that is required.

ONLY 34 inches in width is needed for the comfortable combination coal and gas stove which is obtainable from manufacturer "N" to give the luxury of a real kitchen fire on chilly country mornings while enabling the magic cylinders of bottled gas to contribute their instant heat during hot weather or when an immediate fire is needed. Even the water back, sufficient to heat a twenty-gallon boiler, is built in to require no extra space. Where extra sturdiness is needed come the ranges as small as 19½ by 15¼ inches to burn coal, fuel oil or wood with equal efficiency.

(*Continued on page* 110)

INTERNATIONAL STERLING

announces the most important discovery in the history of sterling silver . . . .

A LASTING PROTECTION AGAINST TARNISH "PALLADIANT"

LOVELY, lustrous sterling silver—protected, at last, from stains of tarnish! Never more need you buy a piece of sterling silver that must be rubbed and polished. All that work has been done away with! "*Palladiant*"—a remarkable new discovery—*assures International Sterling lasting protection against tarnish.*

Palladiant is a process which gives to International Sterling a protective finish of a platinum metal—*more precious than gold—a metal that will not tarnish!* With ordinary care, Palladiant will keep the lustre of International Sterling fresh—untarnished—through the years!

This wonderful new process is the latest and greatest achievement of the International Silver Company—largest manufacturers of silverware in the world and creators of the only new idea in silverware design in centuries, *the new Viande knife and fork.* The Palladiant finish may be seen at your jeweler's, and may be had in the five lovely International Sterling patterns shown here—Pine Tree, Orchid, Fontaine, Wedgwood, and Minuet—and in all International Sterling hollowware and dresser silver. Consult your jeweler to-day!



The beautiful Orchid tea set shown here is available in the new Palladiant finish. Not one of these pieces of International Sterling hollowware need ever be rubbed or polished—merely washed, like glass or china!

IMPORTANT!—Due to the low price of silver bullion, reduced prices have been placed, for the time being, on International Sterling flatware—in the five lovely patterns shown here. A slight additional charge is made for the Palladiant finish, as the process is a costly one. Your jeweler can give you detailed information.

Send for the new Palladiant booklet—Free!

FINE ARTS DIVISION, International Silver Company, Wallingford, Conn. H.&G. 5-31

Check the offer you prefer

☐ Please send me your free booklet which describes the Palladiant finish in full.

☐ Please send me your free booklet, as above, and Lady Mendl's (Elsie de Wolfe) helpful book—"Correct Table Silver—Its Choice and Use", for which I enclose 25c.

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(Print name and address—plainly)



SPODE—Tableware
of the Old Aristocracy
and of the *Now!*

[illegible] Fashion Parade [illegible] Alpine [illegible] finest families . . . for those stand-[illegible]



Early Spode porcelains are treasured in museums and private collections the world over. The name Spode has become a hallmark of distinction wherever people of taste and culture gather.

On the same site at Stoke-on-Trent where Josiah Spode the First was potting in 1765 the ovens are still being [illegible] that you may have services for your table worthy of becoming heirlooms.

May we send you the name of the dealer nearest you? Copeland & Thompson, Inc., 500 Fifth Avenue, New York City.

[illegible] Fashion Parade [illegible]



Spode

Cooking in small places

(CONTINUED FROM PAGE 108)

THREE interesting labor saving features distinguish the gas stove of manufacturer "O". Its mechanical [illegible] controls the cooking time, doing much of the baking on retained heat, while the same saving of gas is effected in cooking on top of the stove as when the insulated oven is used for baking. A heavily insulated dome-[illegible] hood drops down over the cooking vessel to accumulate the heat which would otherwise be waste. [illegible] can be had on even the smaller size of ranges and one enthusiast reports that 825 meals [illegible] on one tank of gas value [illegible] Down through the list of remaining features of this fine stove.

A TIME-TESTED heat regulating device is the outstanding feature of the splendid gas stoves of manufacturer "P". This enables the cooking temperature to be maintained at any desired degree for an indefinite period of time. A whole meal may be cooked in the oven at once without [illegible] attendant.

ONE of the latest developments in the realm of kitchen appliances is the new gas stove of manufacturer "Q". A meal can be prepared in the morning and left in the oven with the [illegible] set at the time desired. This [illegible] has changes that need be given [illegible] to remove it from the oven [illegible] The cooking action is entirely automatic. When this extraordinary development descends to the "bijou" stoves, the last word in gas cookery will have been achieved for the dweller in the small apartment or diminutive country cabin.

MANUFACTURER "R", whose ranges have successfully undergone severe tests for efficiency, offers in [illegible] line of gas ranges and hot plates, two junior models, occupying [illegible] inches of floor space. These are equipped with high shelf, polished, big-capacity top heated by two patented burners and one auxiliary junior burner in front, and a [illegible] baking and broiling oven fitted with safety device to prevent both burners being lighted at the same time. They are also supplied [illegible] and are furnished for manufactured, natural and bottled gases.

AMONG the many manufacturers of bottled gases previously mentioned in House & Garden is manufacturer "S" who offers a wide range of small stoves appropriate for cabin dwellings, for use with his fuel. From a standard floor stove of 18½ by 21 inches down to the two- or three-burner hot plates for which a detachable [illegible] may be had, these stoves burn this fuel, clean fuel with maximum efficiency.

Manufacturer "T" also makes a [illegible] of splendid sturdy stoves of every size and style for use with his bottled fuel. While designed primarily for marine use, they are also excellent where a well-made stove and compact fuel cylinders are wanted for the tiny [illegible]

WHEN country appetites can be satisfied with a minimum of effort through the many appliances on the market for using the more primitive fuels, a survey of this field may be the means of securing lasting satisfaction through the possession of a tiny "stack" where Nature and convenience are fast friends.

The splendid oil ranges of manufacturer "U"—the oldest manufacturer of oil stoves in America—are of the wickless, short chimney type and it is claimed that this stove delivers right under the cooking vessel a greater percentage of the heat generated than any other oil stove. There is no smoke or soot. A two-burner range with portable oven takes up only 32 by 19 inches of floor space. A three-burner stove takes 44 by 21 inches. From substantial ranges with the dignity and appearance of a good gas or coal stove, the sizes range down to a tiny one-, two- or three-burner campers' stove only 21 by 14 inches in diameter (for the one-burner size), and a tank capacity of about 20 hours for one-burner.

MANUFACTURER "V" offers a line of deluxe ranges, embodying in an oil stove a graceful design, close regulation of the flame, with intense heat if wanted, through at least one extra capacity burner. The two-burner cabinet type requires a space 33 by 17½ inches while the tiny stove which nevertheless is strong enough to support a weight of 175 pounds and with a standard size fuel tank, measures only 20 by 12 inches and will easily stand on bench or table when in use, and may be put away during its leisure hours. These stoves use asbestos wicks which last many months and when once set, there is no variation in the flame. The specially constructed oven allows the maximum of heat to circulate over the food on the racks.

MANUFACTURER "W" includes in his comprehensive line a wide range of kerosene stoves as well as his electric and gas models. Outstanding for the kitchen of little space is a range which features two giant burners and two auxiliary cooking spaces, which make use of the surplus heat from the intense blue flame.

THEN there is a most alluring portable stove for use in rude country dwellings. It lights easily, and provides an intensely hot flame that withstands drafts, and folds into a compact, suitcase-like carrier when not in use. Gasolene is the fuel employed, in two powerful burners which give an even, efficient flame. A special collapsible oven may be used in connection with this stove. There is also a small round stove in this manufacturer's line which employs gas generated from kerosene to produce a powerful flame. While designed primarily for out-of-door use, it can also be used inside the cabin on account of its small size and freedom from odor.

FULL size ovens, built-in heat indicator, porcelain enamel and other

(*Continued on page* 128)

East · West · North · South

Masters of famous Hunts are using this sterling "HUNT CLUB"



BENJAMIN L. COOK, ESQ., M. F. H. OF THE JACOBS HILL HUNT, ABOVE, IS ONE OF THE DISTINGUISHED HOSTS USING THE BRILLIANT NEW GORHAM.

The Masters of these Hunts are all using this brilliant new Gorham

JACOBS HILL · ONWENTSIA MIDDLEBURG · HARFORD

These celebrated hunts carry on the proud old tradition of the sport and hospitality of kings. And for their noted hospitality, on their own tables, the Masters of these hunts are using the sterling that was inspired by the background of the "sport royal"—the "Hunt Club."

Benjamin L. Cook, Esq., Master of Fox Hounds of the smart Jacobs Hill Hunt, dispenses his distinguished hospitality at his spacious home in beautiful Rhode Island. Harry I. Nicholas, Esq., M. F. H. of Harford, at Syossett, Long Island. Austin H. Niblack, Esq., M. F. H. of Onwentsia, in Lake Forest, Illinois. Daniel C. Sands, Esq., M. F. H. of Middleburg, in gracious Virginia.

All find the inspired simplicity of "Hunt Club" in harmony with varied modes of table setting.

The clear, aristocratic lines of this new pattern have won for it instant, enthusiastic welcome. Within its first few months, it has been bought by smart hostesses and brides to a *greater extent than any other recent pattern.*

Your own jeweler will show you the new "Hunt Club" and you will find it surprisingly moderate in price. A complete service for eight—70 pieces—costs $227. Matching hollow ware is available. You will find the name "Gorham" on the back or base of each piece.

Other beautiful Gorham patterns, harmonious with varied periods, are illustrated below. FAIRFAX, *appropriate with Colonial furnishings;* ETRUSCAN, *with the classic spirit of the Empire period;* ST. DUNSTAN, *with Victorian elegance;* FLORENTINE, *with Italian and Spanish decoration.*

ETRUSCAN ST. DUNSTAN, CHASED · FLORENTINE · FAIRFAX



Your own jeweler will give you an illustrated 18-page booklet, "The Hunt Club," showing the new Gorham. Or, send coupon to The Gorham Co., Providence, R. I., Dept. Q-2

*Name*_____

*Address*_____

Gorham

1831 · A CENTURY OF LEADERSHIP · 1931



HIDDEN *away*
for three generations



No. 6923—"The Chase"—Taken from the walls of an old barn [illegible] at Little Compton . . . for modern homes in the Colonial manner.

It was the whim of a Rhode Island householder . . . more than a hundred years ago . . . to paper the loft of his barn. And there on board walls . . . up under the eaves . . . his extravagance lay unsuspected until now. Only a few months ago this delightful pattern was re-discovered. Red coats were faded . . . still the huntsmen gayly took the fences. Part of the barn wall itself was taken to Strahan at Chelsea. And today the hunt is on, the charm of Colonial decoration superbly recaptured in the reproduction! For more than forty years, such Strahan reproductions have been famous for their authenticity.

Ask your [illegible] to show you Strahan papers.

THOMAS STRAHAN CO.

[illegible], 1850

NEW YORK SHOWROOM: 41 FIFTH AVENUE

CHICAGO SHOWROOM: 6 N. MICHIGAN BLVD.

FACTORY · CHELSEA, MASSACHUSETTS

The ageless charm of log cabins

(CONTINUED FROM PAGE 87)

log cabin my forbears had built!)

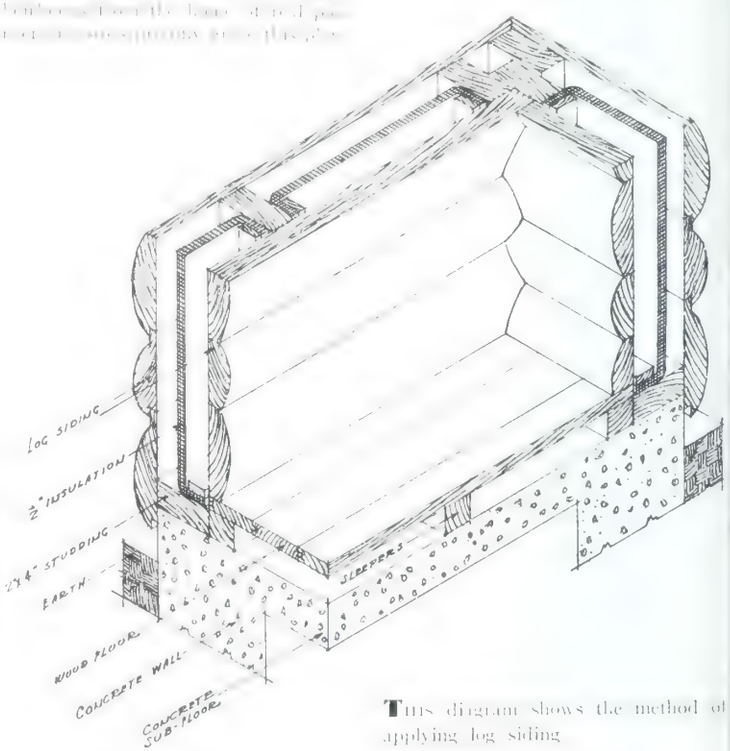
So it is that the old and the new [illegible] in the log cabin. And when skilfully joined the grip is unbreakable. The spirit of the century-old log home in Virginia, for example, is captured and held fast in the interior of a modern log cabin that overlooks the Minnesota River. Situated upon a knoll that was once an Indian lookout, the flagstone terrace has a range of view that touches five towns and stretches away twenty-five miles over a silvery green valley threaded with a blue ribbon of a river. A pioneer [illegible] par excellence—although a matter of less than twenty miles from the [illegible] in Minneapolis.

On entering one drops a hundred years from his shoulders. Knotty pine with its interesting beveled edges panels the room up to the beam plate-log. Rough reddish gray plaster mixed with straw in the peasant fashion ceils the low room and curves gently down following the roof line to the plate. This quaint ceiling has the practical purpose of forming an air space drove to fend off the extremes of a Minnesota climate.

Batten doors with hand forged angle hinges and wooden latches are in the Early American spirit; so what matter if one of them opens upon the dressing room—modern note of space its [illegible] furnishings and another leads to a bathroom whose fittings great-grandfather would gleefully have fancied were Gargantuan china dishes? The kitchen would have made great-[illegible] envy. To be sure, the cupboards are painted pine and all knobs and pulls are of wood—but the sink and the range and oil [illegible] stressing sculptures as they seem to us in this day of electric robots, they would have frightened [illegible] to the open fireplace with its [illegible] and the Betty lamp [illegible] the meat fats, the warming pan and the [illegible] on the hearth. Priceless [illegible] the knife [illegible] the [illegible] squirrel [illegible]

time cabin of their children's children where the third generation now bring their young friends and point out the cradle that rocked great-grandmother, and the bellows that had not only its accustomed use but also spanked great-great-grandfather into the semblance of a righteous ancestor. From the heavy beams hang lanterns that have carried down the light from generation unto generation—the "square one", as they'll tell you, having been made before anyone knew how to curve glass. Fastened to the back of the very rocker in which great-grandmother did all the wonderful needlework for which she was famed is the very hanging candlestick she used, and upon the hearth sit her best brass kettle and the oven that baked bread of a feathery lightness before the fire. Conveniently at hand—should the aborigines suddenly rise from their graves some witchy night—stands an ancient muzzle-loading fowling piece. In this cabin, too, we find the old-time four foot hearth—of brick like the fireplace—to keep sparks from the hooked rugs and the beautiful knotty pine-pegged floor—three pioneer ideas right there carried over to adorn the modern cabin.

The quaint old-time candle-stand near which great-grandfather drew his chair as he read aloud the evening chapter appears no more authentic than the chair itself which is a perfect replica, actually a hundred years younger. The candles themselves might well have been made in the very mould that now serves as the candelabra for the festive board. The festive board, by the way, is none other than a perfect knotty-pine-plank reproduction of an old tressle table with cedar log benches alongside. Then there's the dresser of splendid lines with its [illegible] chairs—several pieces of which a museum would envy. Double bunks with (*Continued on page* 114)



This diagram shows the method of applying log siding



RUBBER FLOORING

for the value of your home tomorrow
for its lasting comfort and beauty

EVERY property owner knows that the house which stays valuable longest is the house which depreciates least in style as well as in comfort. With Rubber Flooring on all your floors you are helpfully protected against whimsical changes in fashion.

For Goodyear Rubber Flooring has "style" for all time. To the great natural fitness of rubber for floors Goodyear has added enduring beauty in colors for all decorative needs — in textures which do not show dust. You pattern Rubber Flooring in harmony with the uses and style of any room.

Rubber Flooring needs no wax. Children's heels will not scuff it. Furniture does not permanently dent it. In dining rooms and living rooms it has quiet dignity — in bedrooms fresh cheerfulness — in kitchen and baths a dry and stainless radiance. Throughout the house Goodyear Rubber Flooring creates a permanent atmosphere of cordial good living.

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At present low prices there is no better time than now to invest in Rubber Flooring. For attractive illustrated booklet showing color schemes and complete information on the permanently *modern* floor of rubber, just write to Goodyear, Akron, Ohio, or Los Angeles, California.

THE GREATEST NAME IN RUBBER

GOODYEAR

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There are so *many* attractive qualities about the new Chevrolet



Inset shows top lowered

The new Convertible Cabriolet. Chevrolet prices range from $475 to $650, f. o. b. Flint, Michigan. Special equipment extra. Chevrolet Motor Company, Detroit, Michigan

Women value certain niceties and conveniences in a personal motor car, and to these important things the designers of the new Chevrolet Six have given particular consideration. This is evident the instant you take in the smartly-styled, gracefully-fashioned new Fisher Bodies—now larger and more handsome than ever. And when you glance inside, you are most certain to be impressed by the taste and care with which the new Chevrolet has been appointed. In its mechanical character, as well, the car provides exceptionally desirable features. It is most dependable in operation, extremely easy to drive, very comfortable and pleasantly free from disquieting noises. In fact, there are so *many* attractive qualities about the smart new Chevrolet Six that women everywhere are regarding it as their own intimate expression of personal transportation.

NEW CHEVROLET SIX

The Great American Value

PRODUCT OF GENERAL MOTORS



THE SAFE ANTISEPTIC
THE QUICK DEODORANT

DO YOU KNOW THAT LISTERINE

. . . removes loose dandruff?

. . . ends scalp irritation?

. . . sets a finger wave?

. . . combats oily condition?



If you are bothered with scalp irritation, itching, falling hair, loose dandruff, try Listerine as a part of the regular shampoo or independent of it. Douse it on full strength and massage the scalp vigorously. You will be delighted by results. Many thousands of men and women have ended minor scalp troubles by this pleasant treatment. We print below some of the many letters we have received from those whom Listerine has benefited. Read them. They may suggest a solution for your trouble. Lambert Pharmacal Company, St. Louis, Mo., U. S. A.

Ended Dandruff Permanently

I have thick, curly hair and have always been troubled with dandruff and dry, itching scalp. I disliked to wear dark gowns because the dandruff would fall on the neck and shoulders and I was embarrassed by having the loose particles show in my hair.

One day a friend and I were preparing for a party and she offered to shampoo my hair for me. I noticed a bottle of Listerine in her medicine cabinet, but when she took it out and started to pour some on my scalp I protested. And then she told me how much it had helped her. She explained that she not only used it when she shampooed her hair, but also when she did not have time for a thorough washing she would rub a little on her scalp with the finger-tips and after a few minutes of massage and a brisk brushing, her hair would look lovely and glossy. I was skeptical, but decided that trying one more product could not make matters any worse.

Now I am one of Listerine's most enthusiastic boosters. It cannot, in my opinion, be duplicated by the use of any other so-called dandruff remover. It is not just a temporary cure; it *really destroys dandruff definitely.*

Sincerely yours,
DORIS MACDONALD,
Bywood, Pa.

Uses for "Wave"

In our city we have hard water, therefore we cannot indulge in as many shampoos as we would like. When my scalp becomes itchy and worries me I immediately give it a good massage with Listerine. In just a few minutes I feel like I have just had a shampoo.

When I massage my hair and scalp with Listerine, I rub it dry. Then I apply just enough to make my hair damp and then insert a finger wave and allow it to dry. It hasn't failed me yet.

HELEN M. RICHARDS,
St. Petersburg, Fla.

Restored Hair Beauty

I am a teacher and am constantly in chalk dust and imagine the state of health my scalp is—or was—in. My desk is directly under the ventilator too, which means added dust. Listerine has been a boon to me, and has restored my hair to its former sheen and feeling of well being.

Sincerely,
HELEN E. HAIGHT,
Austin, Pa.

Beauty Expert Likes It

For a number of years I worked in one of the best beauty shops in our city as an operator. We prided ourselves in our shampoos, and always used a lotion to loosen the dandruff and foreign matter before beginning a shampoo. Later I opened a shop of my own and wished to give the same kind of shampoos as I had in the other shop. I could not use the lotion as it was sold at wholesale prices to members of that particular organization only.

I overcame that obstacle as I remembered the sameness in the odor of that lotion and Listerine. Having seen your advertisements, I immediately stocked my shop with Listerine. I am ready to tell everyone that my shampoos were just as popular and effective as any expensive shampoo on the market.

I know from my experience that no one can go wrong by using Listerine before a shampoo for the correction of dandruff and that tingly, new feeling the scalp has after use.

Yours truly,
MARY DUKE,
Wichita, Kansas

CARLIN PRESENTS SIGNED* COMFORTERS

—an Achievement

● [illegible] the filling material [illegible] the intimacy of its use dur- [illegible] filling should not be taken for [illegible] a visible sample of this vital fac- [illegible] superior, white, virgin, [illegible] down, of tested purity and [illegible] needless weight.

[illegible] (signed)* Comforters are fashioned carefully—with lovely covering fabrics of Carlinese,* silk, taffeta or velvet, in [illegible] beautiful colors and exquisite designs. With superb needlecraft of Carlin renown, they lend enchantment to your bedroom, besides protecting your restful slumber.

See these fascinating comforters. They are individually signed *Carlin* by artistic stitching in a corner of the design, affording distinction and attesting our pride of production. You will recognize all the economies of quality and agree that they are attractively priced from $23.50 to $115.00

● *Obtainable only at the Carlin Shops and at authorized agencies*

THE BLUE BELL • *Adaptable for Summer Use* • $23.50

● *Filled with wool, at the [illegible]* wool comforter. Covered with a beautiful and serviceable Carlinese* in apricot, champagne, copen blue, gold, bois de rose or green. Edged with matching silk cord. Full standard size.*

* [illegible]



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Blanket Protectors · Comforters
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[illegible] • *San Francisco, Hollywood, Pasadena, Oakland, Seattle*

[illegible] • *11 Church Street, Montclair, N. J.*

The ageless charm of log cabins

(CONTINUED FROM PAGE 112)

[illegible] red and white checkered linen curtains—for discretion's sake—have all the effect of old tester fourposters—being morticed and pinned without the aid of nail or screw. Yet here, too, must be a concession to the modern in a realization of the benefits of fresh [illegible] behold the side of the lower bunk is easily removable, and the comfortable spring cot is rolled out upon the screened brick terrace on hot nights!

Another cabin designed especially for masculine comfort, crowns an adjoining knoll with the panorama of the Minnesota valley spread out before it. This cabin, which has a simple floor plan that admits of a ridge carrying through the long way of the building, is constructed entirely of log siding [illegible] cleverly placed to give the effect of random-sized logs with ends mitred at the corners. The enclosing wall, with its log siding nailed to both sides of a stud frame with [illegible] at the center to form a double air space, is very effective in providing against undesirable temperatures. The siding finds another interesting use in [illegible] storage drawer. The rugged fireplace with its Early American fittings has [illegible] territorial days.

A [illegible] shown in a delightful rustic lodge in [illegible] the architecture is completely modern in feeling and the floor plan eminently adapted to easeful living, the use of real log supports in both porch and porte-cochere [illegible] an artistic individuality in this rustic [illegible] land setting.

In the [illegible] type of cabin to be [illegible] one which overlooks the [illegible] of Lake Superior [illegible] a definite return to the pioneer's use of real logs, peeled and axe-fitted. [illegible] this Minnesota [illegible] the most characteristically primitive construction to an extremely modern demand for community living—and is built for "anytime of the [illegible]"

To meet the specific needs, this stag lodge of black swamp spruce was designed for two independent groups who wished accommodations for separate activities during the day, but at night wanted to meet around the large rock fireplace for the evening arguments and leisurely pipes. About the "Big Room" as it is termed—which is twenty-four feet square and shows beautiful truss-work of logs with purlins and rafters of selected logs—are grouped other rooms arranged to carry out the individual activities. Heavy plank doors with hand-wrought hinges, latches and bolts close off in complete privacy a specially fitted office or study on either side. The bunk-rooms also open off the Big Room and the dining-kitchens are connected with these, giving also upon a screened back porch which is also a community mess-room in favorable weather. Bath and showers are in the full basement. With a very slight change, this unusual design could be utilized by two families with similar artistic taste and congenial temperaments and common longing for a characteristic woodsy home. It is quite delightful for entertaining as the generously dimensioned screened porch across the front of the building opens out from the Big Room through two French doors increasing the area of an ideal dancing floor.

The peculiarly picturesque features of the lodge are its old-fashioned casement windows, its wide, low eaves and the corners of crossed logs whose [illegible] ends project at random lengths. To make a tight weather-proof construction, the logs are tightly fitted together by cupping their lengths and coping their corners, oakum being laid at every point of contact throughout both length and corner construction. The fact that the rugged stone for fireplace and foundation wall is native to that region, and the black spruce lived in a neighboring forest add especial interest to the building whose charm owes quite as much to its sturdiness of construction as to its picturesque lines.

And so, from different parts of this country of ours five types of log cabins are gathered, one even from another century—yet an atmosphere of simple, fine, wholesome living surrounds them all and the ageless charm of the picturesque is theirs. To that extent they are as one.

Besides, when firelight dances upon cabin walls, and a fresh log is flung upon glowing embers with a shower of sparks, and a steamy fragrance drifts through the room, and the old clock upon the mantel shelf says suppertime—just what actual difference is there between the old days and the new to those who love simplicities best? "New occasions" may "bring new duties"—but Time does not always "make ancient good uncouth"—despite our beloved American poet!

The Radiance of an English Complexion can be yours

THE ENGLISHWOMAN HAS ONE BEAUTY SECRET . . . ONLY ONE!



Photograph by Eric Gray, London

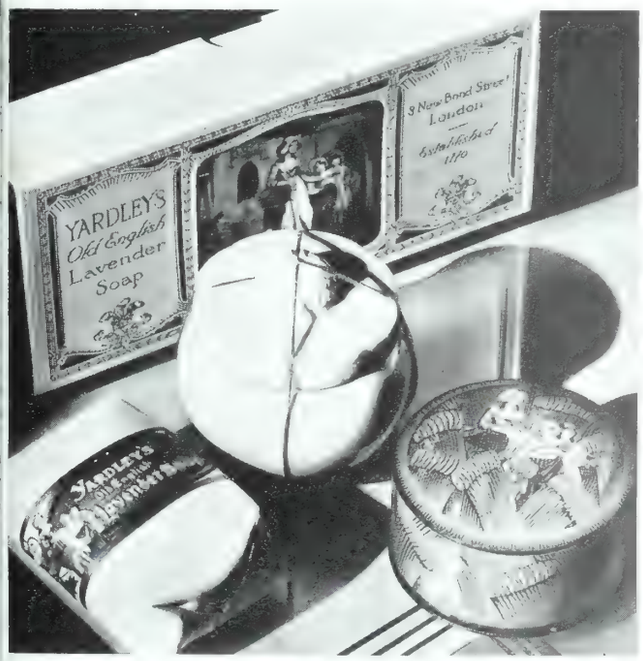
INDOORS, in the flattering light that filters through curtained windows or falls from shaded lamps, an imperfect skin may sometimes escape detection. Out-of-doors, with the sun at his best (or worst) it is another story.

But you can have only admiration for the clear beauty of the Englishwoman, whether you meet her in the sophisticated atmosphere of a London drawing-room or at some race meet in the country. Even in the glare of the sun's full light, her exquisite complexion is as perfect as the petals of a flower.

She has one beauty secret . . . only one. It is the excellent daily care she gives her lovely skin. All her favorite preparations are made by one famous perfumer: Yardley of London; all are scented with that winsome, wistful fragrance of English Lavender, choice of the English gentlewoman through generations. All have been, for a hundred and sixty years, the finest that could be bought.

Yardley's English Lavender Soap is gentle and refreshing, mild and pure. Its luxurious lather washes away every trace of today's dust and grime. English Complexion Cream follows, to finish the cleansing which the soap begins. But English Complexion Cream is also a nourishing cream. And a powder foundation which can be washed away with water. One cream instead of the three you have been using! Then, to achieve the final accent of perfect grooming, use a dusting of Yardley's English Lavender Face Powder, and a dash of the sweet cool fragrance of Lavender itself.

And if you would like the complete story of English loveliness, write for our booklet, "Complexions with an English Accent." It is free. Yardley & Co., Ltd., 452 Fifth Avenue, New York City; in London, at 33 Old Bond Street; also Toronto and Paris.



YARDLEY'S English Complexion Cream, to cleanse, nourish and protect your skin. It is also used as a powder foundation, and can be washed away with water. $1.50. Yardley's English Lavender Face Powder in six skilfully blended shades, $1. Yardley's English Lavender Soap for complexion and bath. Box of 3 cakes $1, or 35 cents a cake. Bath size, 50 cents. Guest, box of 6 cakes, $1.00.

BY APPOINTMENT TO H. R. H. THE PRINCE OF WALES



YARDLEY'S ENGLISH LAVENDER . . . THE APPROPRIATE FRAGRANCE FOR ALL OUTDOOR OCCASIONS

FOR out-of-doors, a fresh, cool perfume . . . one in harmony with the time and the scene . . . one with that too-rare quality, simplicity . . . and one that will last through an entire afternoon. There is such a perfume . . . Yardley's English Lavender, well loved by the English gentlewoman . . . used by her and her kind through eight generations. It is as completely in harmony with the out-of-doors as sunlight on hillsides or fresh breezes over the downs. It will recapture, for you, all the beauty, all the fragrance of the English countryside. Yardley's English Lavender Perfume may be had in bottles of various sizes, ranging in price from $15 to $1.

YARDLEY'S ENGLISH LAVENDER



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To Add Beauty To Your Home

Venetian glass will be found in the homes of people with a fine appreciation of delicate color, exquisite workmanship and charm of line and form --- characteristics for which it is distinguished. Among our latest importations are many pieces following modern trends in decoration, both in color and design. The examples shown here are exclusive shapes.

Our varied selections of Venetian glass comprise tableware, stemware and flower containers. We take exceptional care to import this glass in shapes compatible with the highest ideals of interior decoration.

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348 CONGRESS STREET, BOSTON
SHOWROOMS IN NEW YORK AND CHICAGO



Queen of Autumn

F. F. Rockwell

The Chrysanthemum is not a flower which creates much excitement. [illegible] of autumn flowers" holds her sway serenely and undisturbed.

Of all the many flowers which have been and are being added to the list grown under glass, none is likely to successfully challenge the ever popular "Mum." It would be difficult to imagine any flower more autumn-like. Her dull but glowing shades of color—ruby, bronze, garnet, buff, snow-white, and tawny yellows—are surely suited and self sufficing for the season. Much talk there always is of getting a blue Rose, or a really blue Gladiolus or Dahlia; did you ever hear anyone suggest a blue Chrysanthemum? No; it is wholly satisfactory [illegible]

In [illegible] days when the growing of plants was left almost entirely to the professional gardener, the primary consideration in the growing of Mums was the attainment of immense size. This meant the growing of a single flower to a plant or, to make a spectacular exhibit at the fall shows, the development of enormous plants trained to wire frames, and covered with a solid mass of uniform size [illegible] by the score, or even hundreds. A prodigious amount of care in the [illegible] plants was, of course, necessary, not [illegible] Naturally the growing of Chrysanthemums under [illegible] did not make [illegible] appeal to the [illegible] and [illegible] [illegible] plants, and [illegible]

But nowadays, and [illegible] the crowds at the fall Chrysanthemum [illegible] and more and more people visit them every year—no longer stand [illegible] the [illegible] of the expert professional gardeners, but may be found intelligently appraising and [illegible]

THE ANTHEMIS FOR ALL

[illegible] Hardy Chrysanthemums, which may be grown successfully out-of-doors, are becoming yearly more [illegible] It is not however with the hardy perennial type, but rather with [illegible] which must be grown under glass, or at least have some sheltering protection during their flowering period, that we are here concerned. It is [illegible] that a good many of the modern varieties are serviceable for both purposes. The point is that anyone who has even a small greenhouse, or the means of providing some shelter which will keep out snow or frost during late autumn, may have beautiful Chrysanthemums of the cut flower type.

While it takes a long period—the better part of a year—to grow a crop of these beautiful flowers, they need by no means monopolize valuable bench space for the entire season, as will be evident from the method of handling them described in the following paragraphs.

The start in Chrysanthemum growing is made with the "stock" plants or roots which have been saved from the preceding fall. After the flowers have been cut, the remaining top growth or old stems should be removed to within a few inches of the ground, and the roots stored in some convenient place. They may be planted or "heeled in" close together and covered sufficiently so that they will not dry out. As they are to remain in practically dormant for some weeks, little watering and only a moderate amount of light will be necessary. They should be kept cool, in fact any temperature which will exclude frost will be sufficient. They may be stored under a bench in a cool greenhouse, if not too near heating pipes; in boxes of soil in a cool cellar or in a coldframe banked with manure to exclude frost. In the latter case however some attention must be given to ventilation.

THE STOCK PLANTS

The results to be obtained depend considerably upon the care in selecting stock plants. The best of the batch should be picked out at flowering time and marked; at the time of storage each variety should be carefully labeled. A criticism which the beginner often makes is to have too few varieties. With many flowers it is easy to err in the other direction. But with Chrysanthemums, if one wishes to have flowers from September until well in December, it is best to have a fair assortment. Not many of a kind will be needed to make a fine showing for cutting or for house decoration. When one wishes to extend the list of varieties being grown, it is easy to procure either stock plants or later on, rooted cuttings.

The stock plants may be started in active growth in January or early February. For this purpose, it is best to set them out rather closely together in a bench in a cool temperature. If only a few plants are being grown and space is at a premium, they may, however, be started in boxes, the chief necessity being an abundance of light as it is important that the new growth from which the cuttings will be taken shall be close jointed and stocky. Where a greenhouse is not available the stock plants may be started in a coldframe or hotbed, but this will, of course, mean delaying them until a few weeks later.

No attempt should be made to force the new growth in any way. To get cuttings which will root satisfactorily and produce healthy plants, select close jointed sprouts, the wood of which has become fairly firm. These should be cut with a sharp knife, as the wood is rather tough and stringy, stripped of their lower leaves, and rooted in a cutting bed, or in flats of sand or peat. They may be rooted quite cool, especially if a mild bottom heat is available. Each batch, of course, should be kept carefully labeled.

One of the most important things is to get a clean start, as there are several insects particularly the Chrysanthemum aphis, which seem always ready and waiting to attack the plant at all stages of their development. The stock plants are not absolu-

(Continued on page 118)



A timely

CHINTZ

for the country house . . . or the city apartment

Deft copy of an early document . . . reproduction of a distinguished brocade . . . this versatile chintz by Schumacher, as colorful as gardens in the sun, is ready now to bring summer's transforming magic into the town or country home . . . Schumacher Fabrics are sold only through decorators, upholsterers and the decorative departments of department stores . . . Offices at 60 West 40th Street, New York. Also in Boston, Philadelphia, Chicago, Los Angeles, San Francisco, Grand Rapids and Detroit.



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AND COMPANY

Blossoming with the unusual!



Two-Purpose Stand

$9.50

Decorative Protection for Your Table!

	$1.50	$1.00
	2.50	2.00
	4.00	3.00

Banish Tarnish

	$5.00
	7.00
	10.00

Aluminum You Can't Dent!

Send for Folder "H"

AS USUAL, Spring finds 'The House of Fine Housewares' blossoming with the *"unusual"!* Everything for the comfort and convenience of the whole household—from the kitchen to the game room. What with folks equipping their town and country homes—and with brides-to-be and their devoted mothers buying all that's new and lovely in so many useful things for the newlyweds—the joy of shopping here is really a gay adventure into a world of happiness. Come and share it!

Hammacher, Schlemmer

145 East 57th St., New York, N. Y.

VOlunteer 5-4700

'The House of Fine Housewares'

Queen of Autumn

CONTINUED FROM PAGE 116

...the cuttings may be immersed in a moderately strong solution of nicotine before being set in the cutting bed. I have by this method ... cleaned up cuttings which ... account of spraying would have saved.

As there is no immediate hurry in removing Chrysanthemum cuttings ... the cutting bed, they are often allowed to remain far too long. They should be taken up as soon as new roots half an inch long have been developed. To leave them until they become tough and wiry will result in checking the plants at the very outset.

If there is any one "secret" in the successful growing of Chrysanthemums, it is to keep the plants moving along steadily without check of any kind from start to finish. This is important with any plants, as a general principle; but particularly so with Chrysanthemums, which, if they once become stunted or the wood allowed to harden from too slow growth cannot be ... out of their backward condition.

The usual practise in private establishments is to pot off the rooted Chrysanthemum cuttings in small pots, generally two-and-one-half-inch. There is little, excepting habit, to recommend this method. They will grow as well, and usually better, if planted out in flats, or in a bench with three inches or so of soil, than in individual pots, ... if the ... are spaced as close as two by three inches. The plants in small pots ... much more likely to become root-bound, or to dry out on hot days in late spring, than if grown in solid soil. From either of these causes the plants are likely to receive a check.

If greenhouse space is available, it ... advisable ... to carry the plants through the summer indoors. It may at first glance seem inconsistent, as Chrysanthemums are essentially cool weather plants which require the maximum of ventilation. In most sections, however, it is possible to keep ... cooler indoors than out, the glass ... partially covered, and the atmosphere ... much more moist than out-of-doors. If for lack of space the plants must be transferred to the open, place them in a frame, on sifted cinders. During hot weather, the pots or flats should be packed in peatmoss clear to the tops, to help maintain an even condition of moisture in the soil. If the small plants have been potted, they must be shifted promptly to larger pots before forming a dense ball of roots in the smaller ones.

A SECOND BATCH

Sometimes it is desirable to make a second lot of cuttings, obtaining these from the top growth of the first lot. This may be done either to get additional plants from some special variety, to provide plants for extra late flowering, up until Christmas, or to provide plants to take the place of those which are not doing satisfactorily. Not infrequently, a new cutting, grown on under favorable conditions, will outstrip a parent plant which has been checked. These cuttings may be taken during May or June, but in hot weather will require somewhat more care in the way of shading in the cutting bed.

An early setting of the plants in the location where they are to bloom is important. The Chrysanthemum is a strong, rank grower, and the sooner ... may be settled in the place where it may be left undisturbed, the better. The plants for extra early flowers may be set out as early as late May, the others following through June. All the plants should be in their places before the middle of July.

LOCATIONS

If the plants are to be set indoors either solid or raised benches will do; out-of-doors a well drained frame, or a well drained bed adjacent to a building, where it will be convenient later on to put up the needed protection, may be used. No special soil will be required. A medium loam soil containing plenty of plant fiber from decayed sod—or in lieu of that plenty of leaf mold or commercial humus—will prove congenial. Decayed manure, at the cost of about twenty-five cents a bulk, should be added. There are special Chrysanthemum fertilizers ... manures which give good results, and as the amount required for amateur growing is not great, they are satisfactory to use, although by no means necessary if one has handy the standard fertilizers such as bonemeal and tankage or dried blood. Too much nitrogen, however, should be avoided. Chrysanthemums require an abundance of potash; this may well be supplied either in the form of ashes, soot, or tobacco fertilizer.

There are several methods of growing or training the plants. To get the largest blooms, for which purpose the commercial late-flowering varieties are used, each plant should be trained to a single stem. Even when Mums are grown for home use on a small scale, the grower may wish to have a few of these big fellows for special occasions, or to display to his friends. Ordinarily, however, there will be more satisfaction in growing four or ten flowers to each plant, allowing one flower to each of a number of stems. Or the plants may be grown in somewhat nearer their natural form, ... removing a large part of the growth but nevertheless allowing the flowers to be produced in sprays of many flowers on one stem. For cutting for room decoration they are probably more effective in this form than in any other. Where the plants are to be grown to single stems, they may be planted twelve inches or so apart each way. For growing in sprays they will require somewhat more space.

Another good method of growing Mums for house decoration is to grow them on singly in pots, as they are required, and pinching back to form a well branched plant, which may be brought into the house while in bloom and will thus last much longer than the cut flowers. Or three or five late struck cuttings may be transferred from small pots to a six- or eight-inch flower pot or Azalea pot. These may be given an inconspicuous support and allowed to produce one flower each. They may

(*Continued on page* 136)

CHARMINGLY LIVABLE

HAVE you noticed how almost unconsciously you classify the new homes that are going up around you? Nice looking . . . very attractive . . . perfectly charming. To analyze the reasons for our different opinions would be difficult. It is not only the size, the style, the arrangement, or the materials employed. Some architects and some owners just seem to have a feeling for good taste, pleasing design, attractive decoration. And it is interesting to notice how many of these homes, with whose charm we are impressed, are equipped with Sargent Hardware.

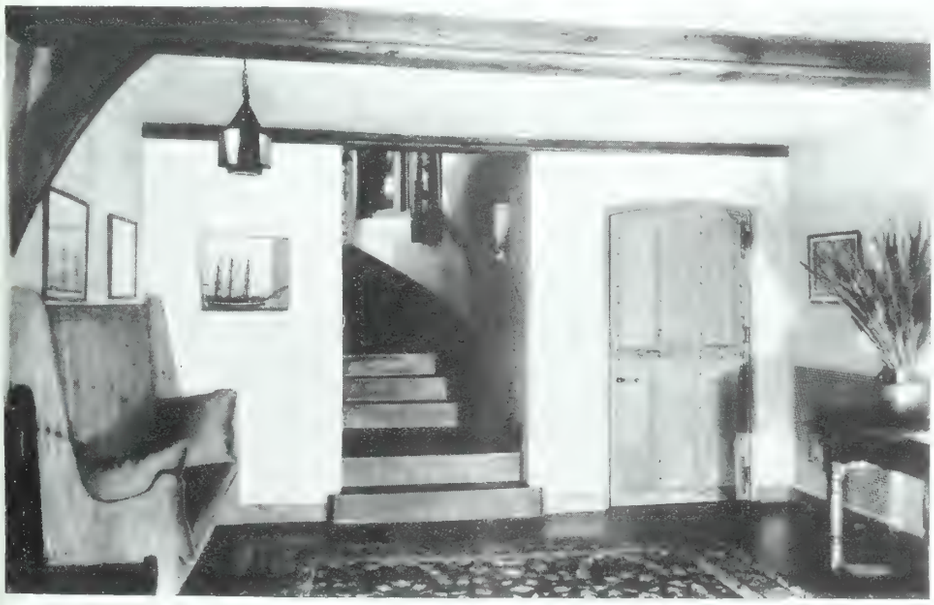
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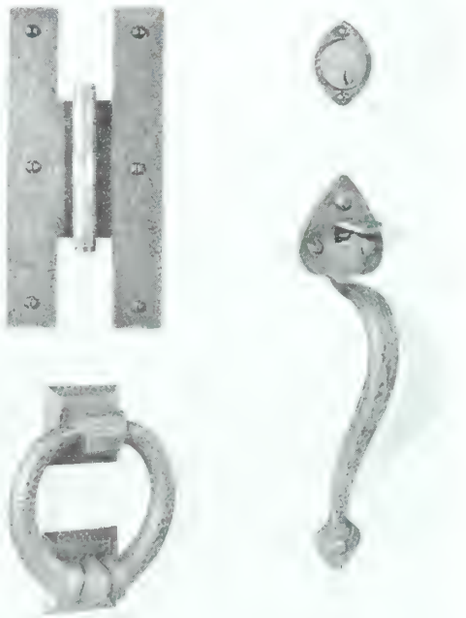
If you are planning to build, now or in the future, you will find much of interest and instruction in our illustrated booklet, "Hardware for Utility and Ornamentation." It will be sent you on request. Sargent & Company. New Haven, Connecticut; 295 Madison Avenue, New York City; 150 North Wacker Drive (at Randolph), Chicago, Illinois. Belleville-Sargent & Co., Ltd., Belleville, Ontario, Canada.



Attractive English cottage-type residence, Long Island, N. Y., fully equipped with Sargent Hardware. Roger H. Bullard, architect.

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LOCKS AND HARDWARE





Sargent Hardware of white bronze with hand-forged or wrought-iron finish is durable and rust-proof. The above items are appropriate for residences of the style illustrated at top of page.

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The Salubra wall covering shown below is pattern 31[illegible], color [illegible] in rose, [illegible] and [illegible] tan—one of hundreds of unusual oriental designs.



Salubra
WON'T FADE WILL WASH

Among the new building gadgets

(CONTINUED FROM PAGE 104)

distributed. Delivered in one bag, it saves time, labor and supervision. It removes human hazards associated with job-mixing, waterproofing and cement. Anyone who can make good concrete can make good waterproofed concrete by using this cement.

Locks for open windows. For attachment to either stile of the upper sash of a double hung window, a hinged lockwedge prevents upper or lower sash from being opened beyond a given point. To fully raise or lower either sash it is only necessary to swing the wedge-like stop out against the pane. Finished in lacquered brass or old ivory enamel, this lock is recommended for garage windows and those in children's rooms. Another open window lock functions also as a sash sustainer. Set into the right stile of each sash, a slight lift on a small release operates an eccentric device, unlocking the sash.

Wall ventilan. A new type of ventilating fan for installation in exterior walls promises hot day comfort in living rooms and warm night comfort in sleeping rooms. This fan comes complete with box frame. It is mounted just as window frames are mounted and is as easily placed in a masonry wall as in frame construction.

The motor, of special brushless type, does not cause radio interference; it operates either forward or backward and has two speeds in each direction. The multiple blade fan is capable of handling 700 cubic feet of air per minute. Remote control switch and outside cover are part of the installation. The fan requires a space in the wall 16 by 16 inches; inside panel, carrying motor and fan, is screwed and bugged to the inside face of the frame.

Rug anchor. An improved type of rug anchor has a cushioning effect as well as the usual non-skid quality. This material comes in a dull green pebble surface, backed by a very fine green whipcord. Not only does it hold rugs in place without use of fastener but it also acts as a waterproof lining preventing dirt and moisture from reaching the rug from the floor.

In a Mexican mirador

(CONTINUED FROM PAGE 72)

dining terrace is well expressed in furniture use.

The tile table, benches, decorations, pewter and pigskin chairs as well as the dishes and pottery are of Aztec design and color. The glass also is found there from Colonial designs.

The walls and pebbles were stained a red [illegible] which is the color of the subsoil from which the tiles are made and also the exact shade of the primitively tanned pig-skin chairs. The plants are Cacti, and the characteristic soft green of its leaves and the delicate tracery of its exquisite blossoms is the keynote of the design on the tiles and also the shade of green used in the dishes, glass and the lining of the fountain in the table.

The pose-stained pebbles on the floor give the earth color and add greatly to the charm of a little garden space of this character, but a tile or some good composition floor could also be used appropriately.

Fountains are also, of course, a very characteristic part of Spanish and Colonial gardens. Due to limitations of space, I incorporated the fountain as a part of the built-in table. It is a mistake to plan terraces without a fountain. The soothing, cooling ripple of dripping water is an indispensable item if the atmosphere of the *mirador* is to be preserved.

Though this space is only ten by eleven feet, it comfortably seats eight persons at the table, a distinct asset in these days of one or two room apartments that boast a small terrace but no dining room.

The effect of this roof terrace *mirador* is very restful, an atmosphere greatly to be desired as a relief to the extreme stimulation to which modern city life exposes us.

Informal English houses

(CONTINUED FROM PAGE 97)

England there may seem to be no relation between the various parts. But that is because of lack of careful architectural analysis—just as at an orchestral concert it might seem to the layman that anyone could wield a baton, and that a few gestures more or less would be of small consequence. In making an addition to a house, or even in creating a house of varying roof heights, it may *seem* nonchalant when completed, but it cannot *be* haphazard when planned. The successful addition is the one in which there is some unifying element—the uniform height of first floor windows perhaps, a series of band courses, or vines clipped to form a base stratum. But a leitmotif of some sort there must be.

This is the fifth of a series of articles by Mr. Geerlings dealing with the proper adaptations of foreign architectural precedent to American houses. In the January issue Italian architecture was the subject; followed by Spanish in February; informal French in March; and April, formal French. Other articles in this series will appear in successive issues.

PIERCE-ARROW REPAYS A STEADFAST LOYALTY



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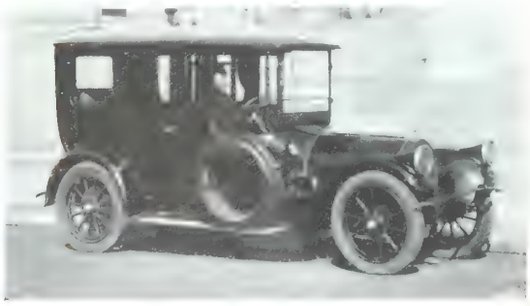
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(Plates courtesy W. & J. Sloane, New York, Washington, Los Angeles, San Francisco)

OAK

THE SOVEREIGN WOOD

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Garden veronicas large and small

(CONTINUED FROM PAGE 68)

best and most effective of midsummer [illegible]ations. It begins to bloom before the Spiked Speedwell has passed and continues for another month. It may be white or pale blue, but the latter [illegible]lacks strength and the white is better. It is a tall, slender plant requiring to be set in generous groups in order to do the work of which it is capable, that of lending a cool dignity to the riot of the summer borders. In [illegible] soil the gray-white spires may reach to six feet, but five feet is a more usual height for it and it requires no staking. The Culverwort makes a good companion for the Rose Loosestrife or, quite away in another section of the border, for some of the late flowering Hemerocallis of tawny coloring. *V. exaltata* is a tall blue-flowered Veronica now figuring in certain seed lists and recommended, but I have had no experience with it. *V. [illegible]strina* (syn. *spuria*) is always a source of irritation to me. Because of its beautiful color it should be a boon in the early summer garden when true blue is none too plentiful, but because of its weedy and flopping habit and [illegible] bloom, it is a continual disappointment. Frequent division serves to keep it fairly tidy and [illegible] will top where it may indulge its desire to lounge it is a thing of beauty.

One of the earliest species to bloom in my garden is *V. gentianoides*, its [illegible] blue flower spikes rising a foot high in May from a neat and glossy tuft of leaves. It is a good plant to the front of a border or for a place



Culver's Root, one of our stateliest wildflowers and doing well in partial shade, is V. virginica. It grows three to five feet high, and bears white blossom spires in midsummer

in the rock garden. It is from the Caucasus and there seems some choice among different forms, some being better than others as to color and carriage. *V. multifida* lingers along in the rock garden, demanding and receiving no special enthusiasm from me; it is rather too tall for the rock garden and not showy or compact enough for the border, and though there is a form, *pannatifida*, with prettily cut leaves, I think it is one of the species that may be dispensed with.

V. incana, on the other hand, enjoys a justly earned popularity. It makes a neat, thick tuft of whitish leaves from which ascend many spikes of deep blue flowers in June to a height of eight inches or so. It is effective at the edge of the border with the bright colored Heucheras or comports itself with a good deal of distinction in the rock garden where it likes a sunny situation out of the way of damp. As is the case with so many of these spiked Veronicas, especially when raised from seed, there is a great choice to purity of color and compactness of growth among individual plants. Only the best should be preserved.

V. peduncularis is one of the really good white-flowered Speedwells. It is said to hail from lofty altitudes of the Caucasus. From a flat mat of good foliage it sends up many rather weakly stems to a height of nearly a foot, continuing to bear masses of small white flowers over a long period, though shedding them almost as quickly as born, so that the ground about the plants is a white petal-covered waste. I found last summer that a good shearing after the first prodigal bloom will bring about a second flowering later in the season, especially if the rainfall has been generous or the plants frequently watered.

When it comes to the truly dwarf kinds, *V. allioni*, which I have not grown, and *V. saxatilis* (*V. fruticans*) are true alpines. The first is well recommended and comes from high stony pastures in the Alps, a small creeping thing with an ascending stem, woody at the base, and little dense terminal flower spikes, dark blue and occasionally rose-color. *V. saxatilis* is an old friend and a delightful one, though it is a variable species, according to situation and soil. It has also a creeping ascending stem, 2-6 inches long, woody at the base and terminal spikes of brightest blue, rather large flowers with a thread-like red ring in the throat and yellow anthers. There is also a lovely pure white variety. Both these species like a stony, gritty soil in a sunny situation. *V. saxatilis* is best in granite; it is not a lover of lime. Both deserve choice situations. *V. saturcioides* is offered in this country and is said to be a choice plant close to *saxatilis*.

Veronica repens is one of the most engaging of the race, a tiny flat creeping plant with infinitesimal vivid green leaves forming a close ground cover which all summer through is (I cannot refrain from quoting Mr. Farrer) "veiled by a dense abundance of very pale blue, almost whitish flowers, sitting flat in the foliage till hardly anything can be discerned but the moonlit unanimity of that carpet." Such enchantment is not, however invariably for us. In the first place, *V. repens* is a Corsican and not as iron-clad in hardiness as we should like, though Mr. Cleveland Morgan in a recent article gives it as among the Veronicas he grows in his Montreal garden. Perhaps the more generous

(*Continued on page* 124)

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Garden veronicas large and small

CONTINUED FROM PAGE 122

safety. Then we frequently do not realize its necessity for space, being so small a thing, and the danger it suffers from encroaching plants. It is quickly killed off by flopping neighbors. In America where our summers are so sun-bitten and dry I think this small charmer needs to be grown rather low down in the rock garden, within reach of moisture, between paving stones perhaps, where moisture lurks. Certainly it suffers from drought.

Two other very small kinds that are on my list for this year's trying are *V. nummularia* and *V. canescens*, though the latter is a New Zealander and may not weather our unkindly winters. There is great charm in these minute Veronicas, and they are invaluable for carpeting the regions occupied by small choice bulbs.

V. pectinata is a fine hearty mat maker that is perfectly hardy. It creeps softly and thickly over earth and stone, rooting as it travels, until broad spaces are covered by its velvety leafage. Be sure to give it space and to protect it from encroaching plants of larger stature. It is pretty enough without the flower-sprays that arise profusely in early summer pale blue or in the variety *rosea*, rubicund rose. This species is one of the few Veronicas that tolerate a shaded situation.

SOME DEEP BLUES

Another delightful little Veronica with very deep pink blossoms is *V. caespitosa*. Its growth is dense and woolly and the masses of little pink flowers set close upon the cushiony leaves. It is a charming thing, not at all the aggressive type and should be given a protected situation, in gritty, well-drained soil.

There is much confusion under cover of the name *V. prostrata*. This according to most catalogs is the delightful ramping, bright blue-spiked creeper of the early summer. It blooms with *Dianthus deltoides*, the Maiden Pink, and will struggle amicably and quite picturesquely with it for possession of a sunny slope in the rock garden. According to Mr. Farrer this is properly *V. teucrium dubia*, and it is sometimes listed as *rupestris*. Whatever it may be it is one of the showiest and most easily grown of rock plants and there is a dozen white-flowered form which is second to few in effectiveness. I have *latifolia*, a small kind that does well enough and appears under the name of *V. rupestris nana*, which is very good when there is not space for the more restless type. *V. trehani* is a compact and fairly stationary form of *V. prostrata*, with golden leaves and bright blue flower spikes that brighten up a dull corner uncommonly. I have seen also of *V. rupestris flexuosa*, said to bloom earlier than the others and to wear a brilliant metallic blue. Of this I cannot speak from knowledge. There is also a rose-colored form that I saw once and did not admire, but *pedata*, with pale blue spikes, is good for the sake of variety.

Veronica filiformis and *V. filifolia* are not to be confused save with dire results, though both have their important uses. The only necessity is to know the one from the other and to treat them according to their limitations or, in the case of *ulliginosis*, perhaps lack of limitation is more correct, for the word is not in the bright lexicon of that tireless creeper. Mr. Morran once sent me a mild looking root of this pest which I confused in my mind with its Caucasian relative and set out carefully in choice company. It lost no time in making the situation its own, advancing steadily its soft green mat and absorbing into an apparently insatiable maw all the small treasures that were in its way. When I waked to a realization of what was afoot it was too late to do anything but lament and remove the criminal to parts where the feeding was less choice. Now it meanders over a wide plain, expanding its pretty mat of yellow-green leaves somewhat threateningly at the feet of such stalwart tenants as Lungwort and *Anchusa myosotidiflora* and the Great Ficcaria. It flowers in spring, hiding its sinister intentions beneath a cloak of innocent whitey-blue cups. I think that this species is sometimes listed as *ulliginosis*. If it can be said to have a preference it is for cool conditions.

V. filifolia is impeccable in its behavior, making a neat Heath-like growth under six inches high, and producing in early summer many little spires of pale blue flowers. *V. guthrieana* is a garden hybrid of which *V. saxatilis* is said to be one parent. It is a small evergreen shrublet, living, but not thriving conspicuously in a sunny corner of my rock garden, and producing somewhat half-heartedly deep blue blossoms with white eyes.

THE SHRUBBY TYPES

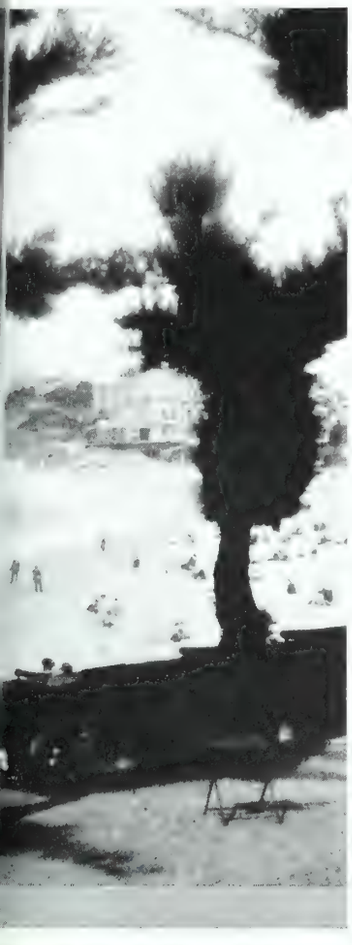
For the most part the shrubby Veronicas are beyond enduring my climate. They are New Zealanders and pine for sunshine and heat and I dare say other luxuries that we are not able to offer them during the winter season. For two years I owned the body, if not the allegiance of *V. bidwilli*, an evergreen prostrate species, but it was a hollow triumph. South of Washingington, *V. traversi*, which forms rather large, symmetrical bushes, might be a success, as it is said to be one of the hardiest. It is reported as bearing a profusion of white blossoms in little loose spires, pretty against its dark foliage. Those fortunate enough to live in clement climates might also make a trial of the following New Zealanders, all of which are rather dwarf: *V. catarractae*, *V. lyali*, *V. pinpinguifolia*, *V. hectori*, *V. hulkeana*, *V. lycopodioides* and *V. buxifolia*. Few of the New Zealanders are offered in this country and would have to be raised from seed.

I shall be glad to furnish information as to where seeds or plants of these Veronicas are to be obtained.

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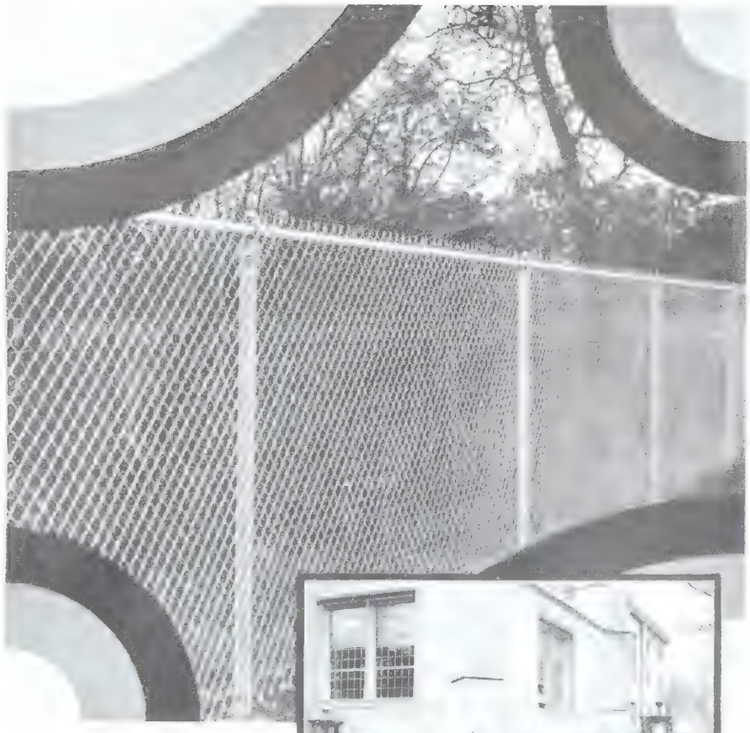
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English gardens to see abroad

(CONTINUED FROM PAGE 84)

[illegible] open Oxford Gardens; there are some fine examples of Capability Brown's work [illegible] in the naturalistic gardens connected with some of the colleges. They are all open. Gardens at Wadham College; New College; Botanical Garden opposite New College where they grow a wonderful collection of Clematis and other fine plants.

• [illegible] has a fine Rose garden [illegible] Garden of the Hon. Vickery Gibbs place at Adenham House, [illegible] London, is open to the public on certain days. The gardens of Sir Philip Sassoon and Lionel Rothschild [illegible] certain days. The Hon. Mr. Rothschild has perhaps the finest collection of Rhododendrons [illegible]

• Guilford in Surrey has a charming old [illegible] is the center of the [illegible] and [illegible] Godalming [illegible] few miles away. One could go there and make it a starting point for [illegible] is Mr. Musgrave's [illegible] open on certain days. At Cranleigh [illegible] along the "Backs" is through some [illegible] existence.

• In Wiltshire [illegible] Mr. Paris [illegible] Witton House gardens. Longleaf, Marquis of Bath; Longford Castle; Stourhead, naturalistic [illegible]

• Westmoreland: Levens, fine topiary [illegible] early 18th Century garden, open certain days. E[illegible] Grimstead: Gravetye Manor, [illegible] longing to William Robinson, [illegible] favorite English garden, open c[illegible] tain days.

• Other star gardens open on certa[illegible] days for the Nursing Fund: Kno[illegible] Warley Place (Miss Ellen Wilmot[illegible] garden). The park at Sandringha[illegible] Osborne House, Isle of Wigh[illegible] Broughton Castle. Folly Farm, S[illegible] homestead. Asbury Park, near Gu[illegible] ford, Duchess of Northumberlan[illegible] Hascombe Manor, near Godalmin[illegible] Mr. Musgrave.

BOTANIC GARDENS IN GREAT BRITA[illegible]

• England: Besides those alre[illegible] mentioned there is the Univers[illegible] Botanic Garden, Cambridge.

• Scotland: Royal Botanic Gard[illegible] Edinburgh, superb rock and wa[illegible] gardens and collections of unusu[illegible] and rare plants of all kinds, trees an[illegible] shrubs as well as herbs. Botan[illegible] Gardens, Glasgow.

• Ireland: Botanic Gardens, Gla[illegible] nevin, Dublin. Trinity College Bo[illegible] tanic Garden, Ball's Bridge, Dublin[illegible] A Veteran's Irish garden is Mr. Am[illegible] Bayer's garden in Glengarriff Harbo[illegible]

NURSERIES

• There are many fine nurseries an[illegible] one can find out about them fr[illegible] the Royal Horticultural Society i[illegible] London. Sutton's has fine annua[illegible] and perennials. Blackmore an[illegible] Langdon, at Bath, specialize in Del[illegible] phiniums and Begonias. Ingwerse[illegible] in rock plants. There are man[illegible] others of course.

French gardens to see abroad

(CONTINUED FROM PAGE 85)

including Fontainebleau (x) and Mortefontaine (x).

A SHORT TRIP FROM PARIS

• At Dampierre, near Saint Remy les Chevreuse, is the Château de Dampierre, open to the public Thursdays from two to six, entrance fee three francs, fine classic garden; and the Roseraie de l'Hay belonging to Mme. Jules Graverceaux, one of the finest Rose gardens in the world. Open to the public every Tuesday, Thursday and Saturday in June from nine to twelve and from two to six p. m., entrance fee five francs. It is also open one Sunday in June for three francs which is announced in the papers.

• The Gardens at Chantilly, open, in classic style. Fontainebleau, open, classic and romantic gardens. The park at Rambouillet, open at certain times, belonging to the Presidents of France, has fine wooded park and parterres in classic French style.

GARDENS IN THE CHATEAUX REGION OF THE LOIRE

• Clemencerry, with an old French garden of the 16th Century, neglected, but with outline clear. A charming botanical garden at Tours, garden of Archbishop of Tours. Villandry, restorations of old gardens.

• The Park at Chambord, the garden at Blois, and at Valençay and Azèy le Rideau. At Nantes there is a small city park with an avenue of handsome Magnolias.

OTHERS IN VARIOUS SECTIONS

• The Garden of Mr. Kahn in Boulogne (Seine) (x). Pau, in the Pyrénées, has lovely small gardens. In the south of France, at Nîmes, but near the Mediterranean, is the fine public park, le Jardin de la Fontaine, built over Roman ruins at the time of Louis XV.

• Aix-en-Provence is a city done over in the 17th Century, with charming tree-lined avenues and good looking fountains, interesting from the point of view of city planning.

• Along the Côte d'Azur are hundreds of beautiful gardens influenced by the Italian style of gardening. Some of these are opened to the public on certain days.

NURSERIES

• At Orléans the Rose nurseries of Turbat et Cie. and others. Vilmorin, just outside Paris, and Antibes on the Mediterranean. George Truffaut's at Versailles.

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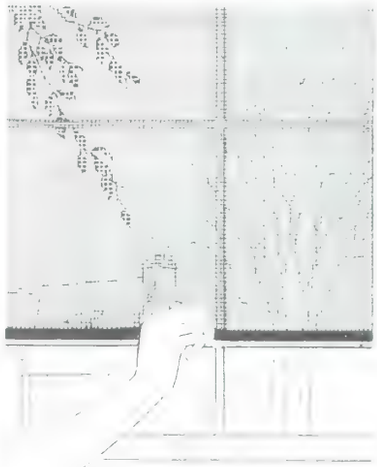
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Dutch gardens to see abroad

(CONTINUED FROM PAGE 85)

HAARLEM

• From the end of April on one sees the Hyacinths, Tulips, Crocuses, Anemones, Lilies, and so on, around Haarlem.

• Van Tubergen's Test Gardens. Krelage's gardens. Forest of Haarlem, a fine park. Zwanenberg. Karcott, at Haarlem. The estate of Mr. Kruge one of the great merchants

• Frans Hals Museum open to public daily from ten to four.

NEAR HAARLEM

• "De Kroft", Westerlaan 9, Aerdenhout. Shown to visitors by gardener on production of introduction from Official Tourist Office, preferably between nine and twelve or one-thirty and six. "Oud Zomerzorg", Bloemendaal. Shown to visitors on production of introduction. "Elswoud", Overveen. Will as a rule be shown to visitors on application to Mr. J. Vrijland. "Bijweg", Bennebroek, shown to visitors on application to gardener

• Aalsmer, hour by motor from Amsterdam; famed for its "Floating Gardens" and Flower Markets, also for its Roses and Lilacs.

PROVINCE OF UTRECHT

• "Remmerstein", Veenendaal-scheweg, Rhenen. Shown to visitors on application to gardener, but not considered of great importance by owner. "Kasteel Amerongen", Amerongen. Visitors admitted on production of introduction.

NEAR ARNHEM

• "Rosendael": Visitors admitted on application to gardener Schreurs, on production of introduction from Official Tourist Office. "Middachten" de Steeg: Visitors admitted only by previous arrangement. "Angerenstein". Idem.

BEYOND ARNHEM

• "Huize de Wiersse": Visitors admitted on production of introduction "Kasteel Weldam", Goor. Visitors admitted by gardener on production of introduction.

Spanish gardens to see abroad

(CONTINUED FROM PAGE 85)

agricultural school adjoins it). Casa Sorolla with its gardens can be seen by applying to gardener to whom you pay five pesetas. El Retiro Botanical Gardens and Zoological Gardens. Duke of Alba's garden, private. Manuel Benedito's garden, private.

• By motor from Madrid. Garden of Ignacio Bauer, formerly Duke of Osuna's, private. Aranjuez; fine 18th Century gardens. La Granja, magnificent Spanish gardens in the French style. Escorial; gardens of the palace and the little town, many charming small private gardens, also a good old garden in the Convent of the Sacred Heart, and another, El Jardin de Abajo.

IN AND AROUND OTHER CITIES

• Toledo Garden of El Greco modern creation but has good typical Spanish features. In Toledo are many fine patios. Cloister garden of cathedral. Patio del Conde de Toledo The Cloisters of St. John of Kings

• Barcelona: Parque de Montjuich fine gardens laid out by Monsieu Forestier. Cloister of the cathedra El Labarinto, and the garden of th Marqués de Casa Gomis. Parqu Guell, showing to what length modernists can go if there is no r straint at all on their imagination

• Sitges, a seaside resort a few hour south of Madrid on Mediterranea with utterly charming houses an gardens: Museum of Santiago Rus nol once a garden but charming

• Majorca, an island which take an overnight boat trip from Barc lona: Raza Gardens, Alfabia Ga dens. Convento de San Francisc Patio of the Almudaina, Patio of t Casa Lastre, and many others.

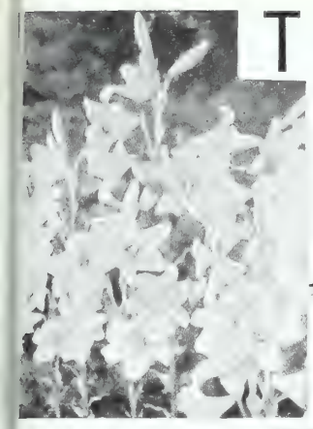
• Between Seville and Madri Cloisters and patios of the Mo asterio de Nuestra Señora de Guad lupe, where you can stay overnigl only reached by motor.

Cooking in small places

(CONTINUED FROM PAGE 110)

refinements of construction and finish distinguish manufacturer "X"'s kerosene stoves, which may be chosen in either the short chimney type or with the double-walled long chimneys. Included in this line, is a circular model for camping which has a windshield, but would be equally good for cooking the spoils of the chase within doors.

WHILE its stove companies are inclined to look with more favor on kerosene as fuel, excellent small equipment can be had to burn gasolene, or alcohol—liquid or solid,— as well. Distributor "Y" carries a most entrancing selection of these real back-to-nature stoves, indestructible, light in weight and taking up a minimum room in the cabin of small comp Some 20 by 12 inches of space wil needed for the stove itself, as most them have a railing for marine The ovens to match these trig l stoves fold up into minimum sp when not in use. The actual cook is supplemented by up-to-date adap tions of the old Dutch Oven and ro ing oven to be buried in the coals the hearth, or set before the fire in pioneer fashion. These robust kitc furnishings are as far removed f the kitchenettes of town, as a Pa evening gown from a sports swe But each has an air of absolute ciency and suitability to its surroundi



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100 Breeder or Art Tulips in 10 named varieties. In form like Darwins, wonderful shades of Bronze, Buff, Orange, etc. May and June 5.50
100 Tulips for the Rock Garden in 5 named varieties. Charming species, odd shapes, many with reflex and curiously twisted petals. They simply belong to the rock garden where they will naturalize and their individual beauty will stand out most prominently 9.00
100 Bedding Hyacinths in 4 colors 6.00
100 Named Hyacinths, 2nd size, 4 varieties 8.50
100 Narcissi and Daffodils in 10 named varieties including the large trumpets, medium trumpets, short cupped, all in the best kinds 9.00
100 Crocus in 5 named varieties, 1st size bulbs 3.50

"SUNDEW!"

The Magnificent Fringed Tulip "Sundew"



—First of its Kind!

A gorgeous cup of glowing crimson uplifted on a tall stately stem. In size and shape a true Darwin but whose petals are beautifully fringed and laciniated at the outer edges presenting a very charming and novel appearance either in bed or vase. Not since the introduction of **Fantasy** has such a striking novelty been offered to the tulip connoisseur.

Doz. $2.00 25 for $3.50 100 for $12.00

NO DEPOSIT REQUIRED Pay on delivery in September, but if you wish, a CASH DISCOUNT OF 5% may be deducted from prices if you send check with order.

Caution:—These prices are good on orders received before July 15. NO LATER.

SCHLING'S "SPECIAL" TULIP BORDER

as pictured from left to right above

		Doz.	100	1000
1	**Baronne de la Tonnaye** Glowing rose banded Flush at edges	$.60	$4.50	$40.00
2	**Afterglow** Deep warm rosy orange tinted salmon at edges	.80	6.00	56.00
3	**Feu Brilliant** Glowing scarlet, very Large cup	.80	6.00	56.00
4	**Prince of Orange** Golden terra cotta orange, flushed golden brown at edges	.80	6.00	56.00
5	**Flamingo** Rosy flesh, large deep cup	.85	6.25	59.00
6	**Valentin** Violet with blue center A lovely shade	.85	6.50	60.00

Special Import Collection Prices

1 dozen each of the above 6 varieties (72 bulbs in all) 4.50
25 each of the above 6 varieties (150 bulbs in all) 8.50
100 each of the above 6 varieties (600 bulbs in all) 34.00
1000 each of the above 6 varieties (6000 bulbs in all) 310.00

Don't Miss this Extraordinary Offer!

100 DARWIN TULIPS $3

Choicest, first size bulbs, sure to bloom. Schling's Special Mixture made up especially for us from ten of the finest named varieties—not at all the ordinary field-grown mixture usually sold. A $6.00 value for only $3.00.

N. B. Save on Bulbs. Send for our Import List.

DAFFODILS & NARCISSI

For Naturalizing and Lawn Planting

Our Old Dominion Collection in choicest mixture of trumpet and medium Trumpets, short cupped and lovely Poet's varieties. All first quality bulbs grown in Virginia where their culture has flourished since Colonial days. These bulbs, being native, are fully acclimatized and none better can be grown anywhere. The supply will not equal the demand. *Order at once.*

100 Bulbs, $6.00 1000 Bulbs, $50.00

200 HERALDS OF SPRING $6

Lovely Spring Beauties—the Following 8 Named Varieties—25 bulbs of each

Snowdrops Glory of the Snow (blue) Heavenly Blue Grape Hyacinths Blue Squills, (Scilla Sibirica) Blue Bells (Scilla Campanulata) White Blue Bells Wood Hyacinths (Scilla Nutans) Winter Aconites.

MAX SCHLING SEEDSMEN, INC.
Madison Ave. at 59th Street New York City

Gentlemen:—Please enter my order for bulbs checked in red ink in your list for which I agree to pay at these special import prices when bulbs arrive. (Omit 5 per cent if you [illegible]

Please send me your special Import List of Bulbs.

I am deducting 5% cash discount as I enclose full payment in advance.

Name .....

Address .....

Schling's Bulbs

ROSES



from .... .. Totty's

Perhaps the finest thing in new outdoor Roses is the dwarf Polyantha "GLORIA MUNDI," a brilliant geranium-red with salmon-orange, that does not fade. It has won hosts of medals and commendatory notices. $2.50 per plant, $25 PER DOZEN. In the climbing group we suggest the English "CHAPLIN'S PINK CLIMBER" unquestionably a most important acquisition in climbing Roses. A cross between Paul's Scarlet Climber and American Pillar; producing large flowers, very profusely in strong trusses of 8 to 12 flowers each. $1.50 per plant, $15 PER DOZEN.

TOTTY'S SPECIAL DOZEN ROSES $10

We particularly recommend this list to amateurs who wish a good collection of different varieties. Selected as being absolutely dependable to give good results in practically all sections of this country. Special price for the dozen $10. All the plants are fine strong stock, guaranteed to give satisfaction. Prices on individual plants are listed in our catalog, sent free upon request.

Totty's
MADISON, NEW JERSEY

Totty's, Desk H5, Madison, New Jersey
I enclose $10 for which send me Totty's Special Dozen Roses when ready for shipping ☐ (Check here). Send me, Free, Totty's 1931 catalog ☐ (Check here)

NAME _____

ADDRESS _____ STATE _____

"When You Think of Roses . . . Think of Totty's"



Of all the best of the dwarf species with blue or lilac [illegible] R. impeditum [illegible] grows to a height of [illegible] inches. Its [illegible] flowers are borne [illegible] and well shaped

Dwarf Rhododendrons

Many [illegible] Rhododendrons are grown [illegible] matter in Oregon, Washington [illegible] conditions are [illegible] the same as in England. It is true that the best [illegible] of summer sun against the [illegible] cultivation of the larger species [illegible] in most of the East and Middle West, but many of the dwarfs are made of sterner stuff and there [illegible] they should not [illegible] cool [illegible] Following are the main points of Rhododendron likes and dislikes.

All Rhododendrons dislike an alkaline soil. Most of the dwarfs will grow [illegible] a soil that is neutral, but they prefer one that is moderately acid.

The soil should be porous with a [illegible] and it should contain a large [illegible] of humus. If this is not present naturally in the form of leaf [illegible] sawdust or peat moss makes an excellent substitute.

Shelter from wind, which is so necessary for the larger kinds, is not so important for the dwarfs, as you may remember their home is exposed hi

(Continued on page 132)



R. racemosum is a fine pink, rather tall growing as compared with others in the dwarf group—as much as three feet high, at times. In late spring it is literally covered with [illegible] small trusses of blush pink blossoms

A Garden Full of Dahlias for $3.50



New and Rare Exhibition Dahlias

Few flowers, whether used for garden decoration or principally for cut blooms to decorate the home, are as responsive to simple garden culture as our Modern Dahlia. It has made wonderful advancement in size of bloom, habit of growth and profuse blooming qualities.

In anticipation of again placing before our customers a collection of Dahlias, we have arranged for a sufficient quantity of exceptionally fine, strong Tubers and are offering

12 Dahlia Tubers for $3.50

—one each of 12 distinct varieties, not labeled, which if purchased separately according to name, would cost not less than $10.00.

Order Your Tubers Now and plant after the middle of May or when all danger of frost is past. *Cultural instructions in package.*

Mail your order with Check, Money Order, Cash or Stamps, mentioning this advertisement, or call at any of our stores, and the collection of Dahlia Tubers will be sent prepaid to any point in the United States.

In our 1931 Spring Seed Annual, sent upon request, you will find a list of Dahlias representing the cream of the finest varieties available.

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Branch Stores: White Plains, N.Y. Stamford, Conn.

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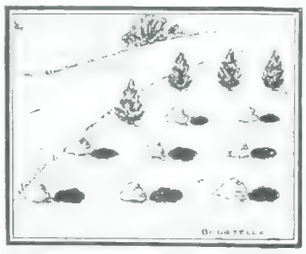


Experience the Pleasure of Growing a

GRAFTED EVERGREEN GARDEN

HERE'S an idea every lover of trees and growing things will cordially approve. Order 12 of our beautiful Grafted Evergreens—they are not seedlings. Set them in garden or lawn. Watch them grow into fine specimens. They are about 18 inches tall and as wide in spread; sturdy, strong plants—characteristic samples of good varieties—with a big ball of soil and roots on each. Choose from the following list:

Lawson Blue Cypress
Triomphe de Boskoop Cypress
Golden Sawara Cypress
Plume Cypress
Goldenplume Cypress
Columnar Juniper
Pfitzer Juniper
Spiny Greek Juniper
Spiral Arborvitae
Globe Arborvitae
Rivers Arborvitae
Vervaene Arborvitae



An illustration from planting directions

A special sheet of directions with diagrams tells you exactly what to do so they will live and grow. This "Grafted Evergreen Garden" is dug to your order; balled and burlapped at once; shipped securely packed and protected, by Express collect, direct to you. Each plant is labeled in English and Latin botanical name, and on its stem a red mark shows just how deep to plant it. The price for the 12 Evergreens is $25.00.

We are growers of nursery stock—devoting 150 acres to the propagation of good stock. Our prices are reasonable. New catalogue mailed on request.

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An Offer of Prompt Help!



When Mum's the Word

This is the month to plant your fall blooming Chrysanthemums. Some particularly fine ones are offered in a special collection. Write for this circular. All early flowering ones shown life size and in natural color.

HERE it is May. The month when you who have put off ordering and planting your hardy plants, are doubtless now wondering what is the best thing to do.

But you don't need to worry, provided you put your faith and money into Wayside Gardens quality stock only. Plants that are two years old. Plants that have ample sturdy roots.

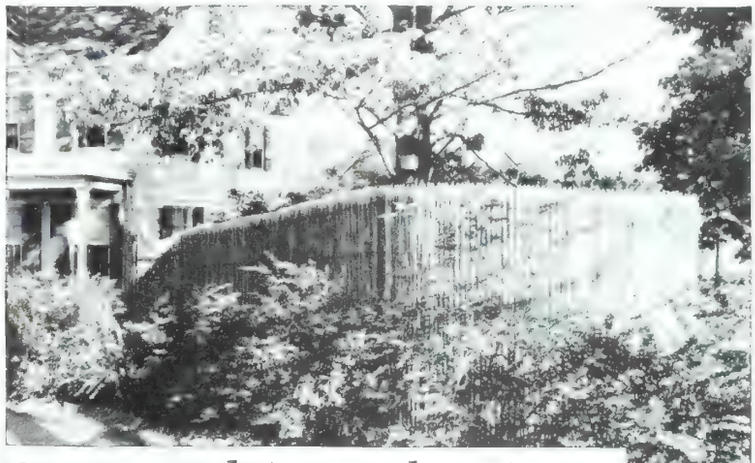
Such plants, when freshly dug from our fields and painstakingly wrapped in moist moss, reach you in the pink of condition.

When set out even late, they start right in growing, giving satisfactory results first year. Send for catalog. It is the most complete of its kind published in America. Tells you exactly when, where and how to plant. Tells it about each individual plant. If you already have it, then delay not a day in sending your order.

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French Provincial Woven Wood Fence

TRANSPORTING the charm of the Riviera, French Provincial Woven Wood Fence brings a genuine feeling of Old World distinction to modern American homes.

Hand-woven by master French craftsmen . . . this sturdy "rustique" enclosure affords lasting protection for property and privacy

French Provincial Fence comes in five-foot sections, 10', 8', 6'6", 4'11", 3'10", 18", ready to erect. An illustrated booklet is completely descriptive—write for it today.

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Kindly send me free booklet mentioned above describing your fencing.

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Aristocratic Gardens

DEMAND THE BEST

• • Whether your garden be large or small—formal or informal—you desire to have plants and flowers that reflect good taste in gardening—plants and flowers that are the result of careful selection and efficient culture.

The home that is a living joy, an inspiration and a pleasure throughout the year, will have the better plants, both old and new, that the advance of horticulture in America and the industry and skill of modern nurseries are producing for the modern garden.

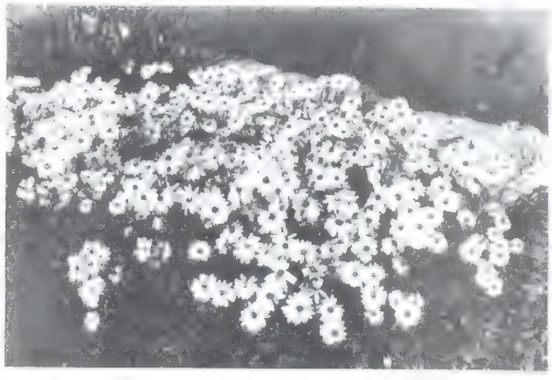
The Arnold Arboretum has for many years been outstanding in its contributions to this advance of horticulture, and many of its finest introductions are now available to plant lovers at Kelsey-Highlands Nursery.

Along with these plants of outstanding merit are introductions of Harlan P. Kelsey, including that beautiful and unsurpassed conifer, the Carolina Hemlock and that charming new late-blooming perennial, the Korean Chrysanthemum.

You will be well repaid for a visit to this modern plant establishment that specializes in the *finer plants for American gardens.*

Visitors are always welcome.

KOREAN CHRYSANTHEMUM



For 1931 illustrated catalog and other information address:

HARLAN P. KELSEY, Inc.

Kelsey-Highlands Nursery—Dept. K

EAST BOXFORD, MASSACHUSETTS



In Upper Burma Reginald Farrer discovered R. calostrotum, a gorgeous plant with gray-green foliage and large, loose blossoms of intense rose color, as large as silver dollars. It is very dwarf and makes a fine flower display

Dwarf Rhododendrons

(Continued from page 130)

sides where they get every breath of wind that blows. But where there is violent heat in summer, some shade is [illegible] to temper the strength of the sun's rays. Thin woodland where the [illegible] is ideal, as is the north side of a building. Among rhododendrons best [illegible] and Bird are excellent shade trees.

A certain amount of moisture is essential, specially during the flowering and growing season from May to July. There is no need, however, to water [illegible] should be possible in times of drought to give them a thorough soaking. A good time to [illegible] is in the fall, when the ground is moist and warm. Set the plants [illegible] and [illegible] a shallow basin is formed. This with a good mulch of peatmoss every spring will help to conserve the moisture and prevent weeds.

They have no objection to extremes of cold, although they will look miserable [illegible] in winter, but their appearance is only on the surface and they will straighten themselves up [illegible] spring.

Most of these dwarfs are community plants, growing in the wilds in masses often acres in extent. Both for their [illegible] and for their appearance it is desirable to plant them in groups with each individual plant about 1 foot or 18 inches from its neighbor. [illegible] roots will grow together and will form a solid mass.

Unfortunately they are subject to United States plant immigration restrictions, but they are so easily increased that, as seed, is very quickly raised. Cuttings with a heel of old wood taken in July are easily struck in sand under a bell glass or in a shaded frame. They also set ample seed. This is very small and should be mixed with two or three times its bulk of sand to allow for an even sowing. Sowing too thickly is a great mistake, as the seedlings [illegible] on. The best sowing medium is a third sharp sand, a third fine loam, and a third leaf-mold or granulated peatmoss well mixed and passed through a fine sieve. The seed should be sown on the top of the compost and left uncovered. [illegible] the flats should be placed in the greenhouse or frame and covered with an old newspaper to give the requisite shade. They should be watered once or twice a day. Germination is rapid and as soon as the seedlings are half an inch high, they should be pricked out into flats filled with the same compost and grown on under cooler conditions.

Rhododendrons are surface rooting plants, and care should be taken in cultivating the fine fibrous roots which [illegible] the seedlings. When the young plants are about a year old, they may be moved either into their final positions or into a shaded nursery until required. Remember that seedlings must have moisture, adequate drainage and shade.

Here are a few species which have proved their worth as garden plants. It is impossible to give a correct verbal description of these plants in a few words, but the accompanying illustrations give a good idea of their distinctive grace and beauty which is totally unlike that of any other small shrub.

Rhododendron chryseum or *R. muc[illegible]* (only separated from each other by minute botanical difference). Will ultimately reach one and a half feet. These are among the few dwarf yellow Rhododendrons and have about five clear yellow flowers so tightly bunched [illegible] to form a rosette.

There are two purple-flowered dwarfs also very much alike, called *R. rupicola* and *R. cantabile.* These are of a rich and deep plum-purple, the former has five flowers in the truss, the latter often ten. They are particularly good when grown in the mass.

Of the blues and lilacs I should choose from *R. fastigiatum, R. intricatum, R. hippophaeoides,* and *R. scintillans.* Probably the last is the best and truest blue, *R. fastigiatum* the palest lilac, and *R. hippophaeoides* is the tallest growing, reaching to three feet, and in its best forms is the finest.

The best pink is the invaluable *R. racemosum,* rather taller growing and reaching three feet, but so covered in late spring with its innumerable small

(Continued on page 136)



"UNDERGROUND"

When you want RAIN . . . you get RAIN



A turn of a valve and you release the gentle spray of a midsummer shower over your lawns and gardens—that's what an installation of Skinner System does for you. You can forget forever past worries over the loss of beautiful flowers, the burning up of your lawns.

Skinner System underground -portable -overhead is the system successful landscape architects everywhere recommend - they've learned they can depend on Skinner.

Now is the time to prepare for the long dry season ahead.

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and Rock-plants

Rock gardens are fruitful only to the imagination of the builder and the gardener. Odd nooks are made beautiful; waste spaces can be made interesting, dead corners can be brightened.

Rock gardens give new charm to many plants, and are easily constructed at low cost. A large area is not needed—great enjoyment may be had from a rock planting in the tiniest garden. Every day will bring increased interest, and give new revelations of plant wonders.

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A. alpina fl. pl. Double.
Campanula muralis. Dark blue.
Epimedium. A variety of sorts.
Geum, Fire Opal. Coral red.
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Hardy Primroses. In a variety.
Leontopodium alpinum. White.
Lithospermum. Heavenly Blue.
Saxifraga Macnabiana. White, red spot.
Sempervivum. In a variety of sorts.
Saxifraga cotyledon pyramidalis. Pink and white.
Aubrietia Hybrids. In variety.
Draba fladnizensis. White.
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is a special booklet presenting many rare and unusual plants for rock-gardens and borders. Lists wood-land plants, lilies and dwarf evergreens. A comprehensive list of plants for special purposes is included. A copy of The Rock-Garden will be mailed on request to those who are planning to build a Rock-garden.

ROSES by Bobbink & Atkins

presents the latest Rose introductions and old favorites. Correct descriptions are given; cultural instructions are included; varieties are classified to make selection easy. A copy will be mailed on request to those who intend to plant Roses.

Our Specialties: Azalea Mollis and Pontica, Chinese Magnolias, Cotoneasters, Japanese Maples and Weeping Flowering Cherries, Red Dogwood, Blue Spruce, Colorful Evergreens and Many hard to find varieties. We shall be glad to have you prices.

In your request for Catalog, a suggestion as to your favorite plants, shrubs or trees will be helpful. You will receive a copy of our Catalog, which includes Roses and gardening.

BOBBINK & ATKINS, Rutherford, New Jersey



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WILSON'S O. K. PLANT SPRAY

Protect your plants, flowers, shrubs and evergreens against the first inroads of destructive insect pests. Use Wilson's O.K. Plant Spray frequently and thoroughly now, to insure strong and vigorous growth throughout the season. Order a supply today!

Recommended by Officers and Members of The Garden Club of America.
1 Quart $1.00 1 gallon $3.00 5 gallons $12.00 10 gallons $20.00.

Then there is Wilson's SCALE-O . . . the powerful ***dormant*** spray so necessary to the successful growth of fruit and other trees. Scale-O kills Scale insects and eggs—even in Winter. Mixes readily in cold water . . . covers very rapidly and evenly. 1 Gallon $2.00; 5 Gallons $9.00.

WILSON'S AWINC (Pyrethrum Spray) non-poisonous, highly concentrated PYRETHRUM spray. Easily controls both sucking and chewing insects of the more resistant type such as Japanese Beetle, Mexican Bean Beetle, Mealy Bug, Red Spider, Rose Chafer and Slug, Aster and Dahlia Beetle, Cabbage Worm, White Fly and many others. *Complete,* requiring only a dilution with water.

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is the New Anemone-flowered Clematis. It is a strong, vigorous grower, perfectly hardy and proof against disease and insects. The Windflower-like blooms are white flushed with mauve-pink and are from 1½ to 2 inches in diameter. The best of the early spring-flowering climbers. Strong plants, $1 each.



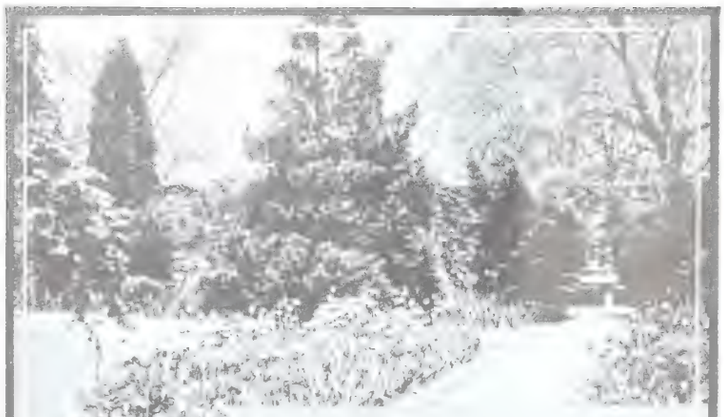
Dreer's Garden Book

is invaluable to anyone who raises flowers or vegetables, as it lists all worthy varieties of both.

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But, now we have made this faithful old garden producer available with *every* objectionable feature removed. In DRICONURE we bring you cow manure in concentrated form, 5 times stronger than green manure, dry, odorless, granulated—absolutely free of weed seeds, hay, straw or other trash. It comes from dairies where peat moss has been used as bedding, so that in addition to its fertilizing value it also improves the physical condition of the soil. It builds up as it feeds—and regardless of how much or how little you use, or how often you use it, there will be no harmful after effects. DRICONURE is a *safe* fertilizer. It will not burn.

Try this old reliable fertilizer in its new form. Use it as a lawn top dressing and for general ga den use. You'll like it.



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Your *soil* holds the entire secret of garden beauty and success. And while we like to think of Mother Nature as a most gracious and liberal sort of Goddess who lends immeasurable aid in gardening, we must first learn the secret of how to *use* Her treasures.

In gardening, *everything* depends upon the *power* of your soil to produce, and this power in turn depends upon how well *you* provide the soil with water, air, and plant food; and how well you maintain correct soil texture so that the food and water can be utilized.

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Ornamental Gourds are well adapted to covering background screens, trellises and various similar supports. They grow rapidly and with enough denseness to provide good shade or block out an undesired view. Give them sun and a rich soil

Goblins of the gardening world

CONSIDERING its own antiquity and the length of time it has been readily available to the gardening public, the ornamental Gourd has had a surprisingly hard time gaining popularity. "Surprisingly" is said advisedly, for this weird looking annual vine has advantages which would have a wide appeal if they were better known.

In the first place, there is the decorative, varied and exceedingly odd appearance of the fruits which form in late summer. In shape they range all the way from clubs and walking sticks to balloons and frequently their colors are brilliant and variegated. One can never be sure what oddities a packet of mixed seed will produce as well try to predict the figure of an unseen goblin. Surprises are as much a part of Gourd growing as they are of racing horses.

As coverings for trellises, arbors and other stout outdoor framework, too, Gourds are both capable and dec rative. Their free growth produc adequate shade where it is most d sired, and the variety of colors an forms in the foliage and fruits is a tractive.

Selecting Gourd varieties is large a matter of how fantastic an appea ance you want the mature vines present. Among the good ones are t following, of which the names refle the character of the fruit: Hedgeho Hercules Club, Ostrich Egg, Spoo Turk's Turban, Bottle, Orange, Se pent, Dipper and Calabash.

Gourds are as easy to grow as the first cousins, the Squashes and Pump kins. They like a light, well draine and rich soil with plenty of sun. He the seeds are sown as soon as th weather has settled and the ground warm. In a late spring it is better start the seeds in individual pap pots under glass.



One of the most effective ways of using Gourds is over an arbor top where, as one walks beneath them, their weird fruits show to excellent advantage. They are shown here as they appear in the garden of Charles A. Stevens, of Chicago

Do you know... how to plant a rose garden?





a rock garden?



a corner group?



a border screen?



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The easy-reading Barnes Bros. 40-page catalog, "The Easy Way to Beautiful Plantings," gives in a very simple manner much information, both in text and illustration, needed in the planting of a rose garden, rock garden, border screen, corner group, etc. It also contains descriptions of over 1200 magnificent flowers, shrubs and trees, many pictured in full colors. This new catalog marks the 41st year of The Barnes Bros. Nursery Co. Send for it now—be ready when planting time comes. It will help *you* to beautify your grounds—free in New England, N.Y., N. J., Pa., Del., Md. Elsewhere: 25c. The Barnes Bros. Nursery Co., Box 21, Yalesville, Conn.

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TRY 10 DAYS If not satisfactory, return sprinkler and your money will be refunded. Descriptive literature on request.

NEXT BEST TO RAIN

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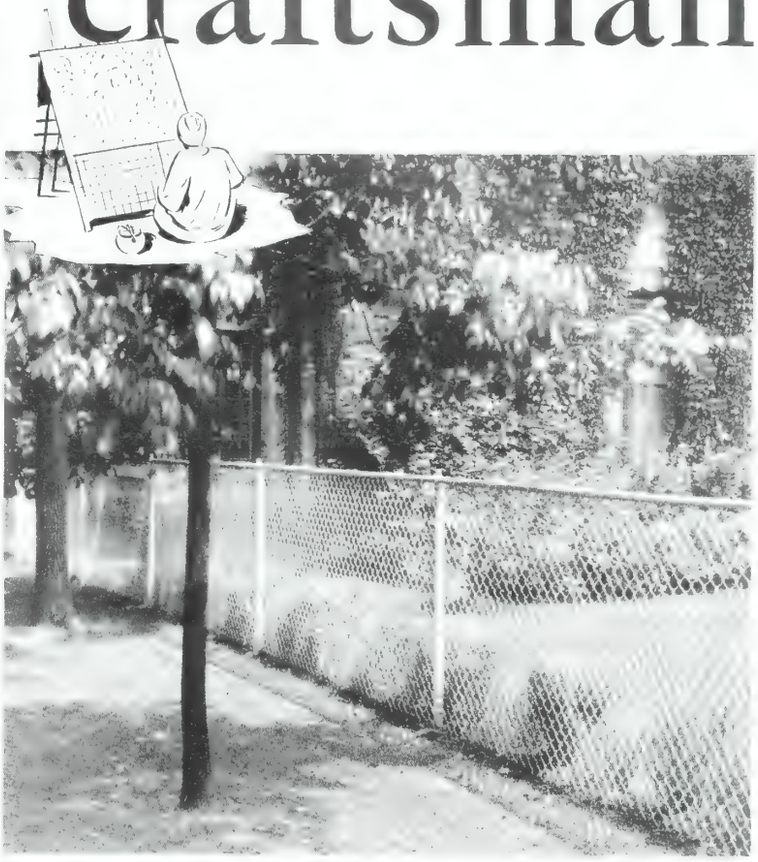
The acknowledged leader for twelve years. Thousands in use on golf courses, large estates, parks, etc. Self operating on the famous Double Rotary principle. Sold on same 10 day trial and money back guarantee basis.

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In everything there is One *outstanding* craftsman



—*In Fencing it's* Cyclone

A peculiar craftsmanship places the Oriental above all others in the art of rug-making. A similar inherent skill has made Cyclone the outstanding "Leader" in fence manufacture for 44 years. And like the Oriental, Cyclone is imitated by many—but successfully imitated by none.

But Cyclone has proved that the product of a "Leader" need not be higher priced. Genuine Cyclone Fence, with its higher grade materials and superior workmanship, installed by trained men, costs no more.

There is a Cyclone representative near you. He will gladly show you point by point why Cyclone Fence represents maximum fence value. He will help you plan your fence and has a crew of trained men ready to install your fence. Get Cyclone prices before you buy fence. Phone, wire or write us for information.

Cyclone Fence
REG. U.S. PAT. OFF.

CYCLONE FENCE COMPANY, *General Offices:* **Waukegan, Ill.**

Works and Offices: North Chicago, Ill., Cleveland, Ohio, Newark, N. J., Fort Worth, Texas

Direct Factory Branches: Albany, Atlanta, Baltimore, Birmingham, Boston, Buffalo, Canton, Charlotte, Cincinnati, Dallas, Detroit, Grand Rapids, Hartford, Houston, Indianapolis, Jacksonville, Kansas City, Milwaukee, Mineola, N. Y., Minneapolis, Mount Vernon, N. Y., New York City, Peoria, Philadelphia, Pittsburgh, Providence, Richmond, San Antonio, Shreveport, St. Louis, Tulsa.

Pacific Coast Division: STANDARD FENCE COMPANY, Oakland, Calif.
Los Angeles, San Francisco, Seattle, Portland

SUBSIDIARY OF
UNITED STATES STEEL CORPORATION

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Cyclone—not a "type" of fence—but fence made exclusively by Cyclone Fence Company and identified by this trademark

COLDWELL



Investigate the *Coldwell*

. . . Better Lawns at Less Expense . . .

LIGHT rolling combined with the mowing saves the expense of separate rolling. A healthy, smooth velvety turf is the result.

The 1931 Coldwell models are available in a wide range of sizes. Advanced features in design and careful workmanship in assembling the finest materials available, insure Dependable, trouble-free performance.

Sales and service stations all over the country.

Full particulars and demonstration on request

COLDWELL LAWN MOWER COMPANY, NEWBURGH, NEW YORK, U. S. A.

Queen of Autumn

(CONTINUED FROM PAGE 135)

[illegible] "set-up" plants for the [illegible] conservatory.

If the plants are set in raised [illegible] should be at least four inches deep. It is desirable to [illegible] as possible, even to [illegible] by placing a brick. There should be the usual [illegible] shading, syringing and [illegible] for the first days after [illegible] to keep the plants from [illegible].

[illegible] as soon as the plants [illegible] established and made an inch or two of new growth, is to [illegible]. This should be done extra early for two reasons: first, it interferes less with the plants than if delayed until later; and second, support is necessary, even while the plants are still quite small to help them better withstand the forceful [illegible] of water and sprays. Light, bamboo stakes are ordinarily used for support, although the galvanized plant supports have replaced them to some extent in commercial establishments.

Whatever may be claimed in favor of [illegible] it cannot be said that they are free from insects; there are, in fact, few flowers more likely to be destroyed by insect attacks unless protection is given. All of them may be controlled if watched for, and vigorously fought. Watering under [illegible] with a nozzle for syringing, is the best protection against red spider, and the sturdy long Aphids [illegible] to support, and the simplest way of taking care of them is to spray regularly with a good nicotine solution at intervals of every ten days. As the ventilators and doors should be left open most of the time, except during cold weather, there are various caterpillars which may get in from the outside; even grasshoppers, sometimes, prove troublesome. The larger pests may be controlled by hand picking, if not many in numbers, or a [illegible] spray may be used.

Watering should be done regularly. The soil must be kept well stirred between the plants. During hot weather syringe the tops of the plants two or three times a day. Plants will require tying as they grow, and also [illegible] of side shoots which are [illegible].

In August or September, disbudding [illegible] the "crown" bud, which is the first to appear, will give the earliest, and in most cases, the largest flower. But if more than one blossom is wanted to each plant, the crown bud should be pinched out, and some of the terminal buds—that is those which develop in the leaf axils just below the crown bud—should be kept. Some of these should be selected, and the others pinched out. Other buds will develop later on in the axils of the leaves further down on the shoots; these, also, should be removed as they appear. In the growing of sprays the plant is pinched back so as to develop a number of branches on which a greater or smaller number of buds are retained, according to the number and size of the flowers wanted.

Where the flowers have been grown out-of-doors, a temporary shelter may be erected to allow the flowers to develop perfectly and to protect the plants from hard frosts. Plant protecting cloth or tobacco cloth may be used for this purpose; but the new glass cloth, or flexible glass, now used so largely for making poultry houses and for light hotbed sash, is ideal. It may be stretched on light frames, and these can be screwed or cleated to a framework, thus making a substantial temporary protection which may be taken down and stored for future use. In sections where the climate is fairly mild but not quite long enough to permit the growing of late flowering varieties out-of-doors, fine results may be had with this slight protection.

Flowers should be cut for house use as soon as they have fairly well opened up and they will keep much longer if the stems are immersed in water for twelve hours or so after cutting. Individual flowers which do not "hold up" may sometimes be revived by slitting the stems in several places and immersing them in water for a few hours.

As to varieties, unless expert care can be given it will be best not to attempt the enormous soft petalled "exhibition types" such as Wm. Turner (of which there is now a light yellow form, and also a beautiful bronze) and stick to those of more moderate size. There are many varieties to select from such as Anna L. Moran, bright scarlet; pink and white Tony; November Gold, and many others.

Dwarf Rhododendrons

(CONTINUED FROM PAGE 132)

trusses of blush pink flowers that not a leaf can be seen. Not only is it lovely but it will stand more extreme conditions than any other Rhododendron.

Those mentioned above all have small flowers and depend on their number for their beauty. There is one other which has flowers the size of a dollar, *R. calostrotum;* this was introduced from Upper Burma by Reginald Farrer, and is a marvellous plant with gray-green foliage and large floppy flowers of an intense rose. It is also very dwarf, and its low stature shows off the flowers admirably. It requires more shade and more attention than any of the others, but should not be impossible and it is well worth the extra trouble.

Once you grow these successfully you can experiment with others of this large genus, but all of those I have mentioned are sufficiently attractive to be counted among the great dwarf shrubs.

E. H. M. Cox



A Water Lily Pool *for every garden*

No garden is modern without the colorful beauty, exquisite fragrance and fascinating interest of a Water Lily Pool. Even small gardens have room for at least a simple tub-garden of Water Lilies.

1931 Special Collection—$5

Five gorgeous day and night blooming plants, including Blue Lotus of the Nile and four water lilies, each of different color, pink, white, light blue, bright rosy red. All for $5.

Illustrated Catalog Free

Shows you how to construct a pool or plant a tub garden. Describes and illustrates Water Lilies, Aquatic Plants and Ornamental Fishes. Gives cultural directions. Write for FREE copy today.

Fish Collection for Pool—$5.50

12 common goldfishes; 2 Calico or Gingham fishes; 6 each, Tadpoles, Jap Snails, Ramshorn Snails; 2 Clams; Pair of American Salamanders; Shipping Can. All for $5.50.



Wm. Tricker, Inc

1404 Brookside Avenue — Saddle River, New Jersey

The garden scrap-book

PRUNING SHRUBS. With the passing of the blossoms of the spring-flowering shrubs comes the time to do whatever pruning may be required. By attending to it at this time you will avoid sacrifice of the new growth they will make during the next two or three months' growth on which next year's buds will be formed in the late summer.

Many people have the idea that to prune a plant means to trim back the branches in somewhat the manner of a barber cutting hair. As a matter of fact, the object of pruning old shrubs is to keep them shapely and to preserve the blossoming wood. Naturally this cannot be done by merely giving the top of the plant a boyish bob.

Anyone who attempts to prune should have a clear idea of why that particular bit of pruning is being done. In general, the natural growth of a shrub is the most attractive, and by cutting out the old and dead wood, thereby giving the plant a chance to renew itself normally, this natural beauty is preserved. Formal shaping of woody plants, whether shrubs or trees, ought to be restricted to formal grounds.

To avoid unnecessary pruning of tall shrubs, do not plant them in positions where low-growers would be more suitable and require less cutting back. This is especially true under windows where tall shrubs will become too large and have to be pruned back severely every year.

Proper pruning will not only help established shrubs to remain youthful and lovely; it is also a means of giving young ones new vigor. Cutting back one-third to one-half in the dormant season often throws renewed energy into the rest of the plant. The individual shoots should be cut off at different lengths so as to retain the natural form of the shrub, instead of being sheared off evenly.

FOR SOIL IMPROVEMENT. What would appear to be the ideal material for improving garden soil texture and at the same time adding essential plant food in goodly quantity is now widely available in the garden supply stores. It consists of finely pulverized peatmoss with which has been incorporated dried and shredded cow manure in such form that the mixture is odorless and entirely clean and pleasant to handle.

The advantages of such a combination are outstanding. Peat moss in itself has long been recognized as a perfect material for lightening soil, absorbing a great volume of water and giving it up slowly as the roots of the plants need it. Its deficiency in the matter of nutritive chemicals has been fully made up by the addition of the manure, which is collected from a special dairy where the cattle are fed exclusively on prepared rations. Both materials, therefore, are free from obnoxious weed seeds—a notorious draw-

(*Continued on page* 138)

Let's have a GARDEN—*a Gator-Hide garden . . .*

A garden where you can pick your own tender, sink-your-teeth-into-it sweet corn . . . luscious vine-ripened tomatoes . . . crisp, crinkly lettuce . . . green peas whose pods are bursting with sweetness . . . flowers with gorgeous blooms . . . fruits of delicate flavor — all in greater abundance, bigger, better, earlier than ever before.

You can have all this . . . in your own backyard . . . this season, if you'll



bring up your garden under *Gator-Hide Mulch Paper.* Gator-Hide banishes the drudgery of weeding . . holds moisture in the soil . . . stimulates plant growth . . . brings in fruits, flowers and vegetables days and weeks ahead of their place on the calendar.

A Gator-Hide garden is full of goodness . . . fun. When you plant through Gator-Hide you do the whole summer's job in one operation. You lay Gator Hide . . . and it's easy to lay . . . punch holes through it . . . put in your seeds or transplant your seedlings . . . wash your hands and watch your garden grow . . . grow as it has never grown before.

That's a Gator-Hide Garden . . . the garden you can have . . . this year. Try the Garden Package of Gator-Hide for $1. It will make you an enthusiastic member of the Gator-Hide Garden Club . . . give you a taste of the joy of growing a garden without drudgery . . . the pleasure of bringing to your table your own home-grown fruits, flowers and vegetables, full of flavor, freshness and beauty. Send the coupon today. *Spring is here!*

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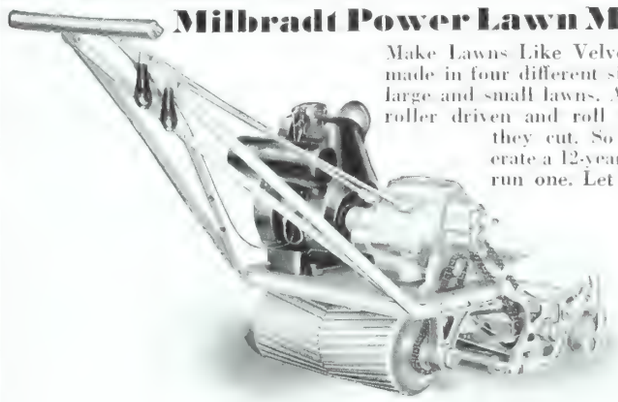
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Rare and century-old specimens transplanted from their native England to our southern collecting fields are now available for immediate delivery.

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Make Lawns Like Velvet. They are made in four different sizes for both large and small lawns. All styles are roller driven and roll the lawn as they cut. So easy to operate a 12-year-old boy can run one. Let us prove it.

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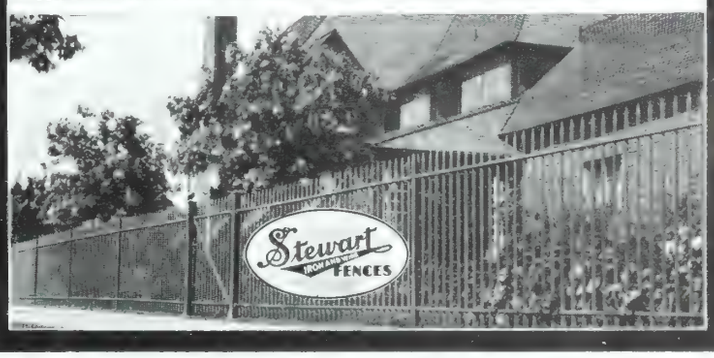
The Lawless Pass Up Fenced Grounds

Fence guard your residence. Protect your livestock against the constantly increasing army of evil-doers. Fence NOW and have the protection at least cost.

Stewart designs are sightly as well as useful. They last for decades. Stewart Fences KEEP OUT undesirables. Stewart Chain Link Wire Fences are not climbable.

The Stewart Fence Specialist will gladly help you solve your fencing problems. Catalog upon request.

THE STEWART IRON WORKS CO., Inc., 726 Stewart Block, Cincinnati, Ohio



The garden scrap-book

as a top-dressing and for digging into ... ability of its chemical contents and ... yielding their nutritive elements, it should be as much a part of every ... spade, trowel or watering-can. The basis of a successful garden is the soil ... too great attention cannot be given to keeping it in the ... tion of texture and ...

Seed beds. Locating and preparing the outdoor seed bed properly are big steps toward a successful garden. They tell the story of how much return in the way of plants you are likely to get from the packets for which you have paid perfectly good money. ... Bear in mind, though, that directly under the ... because the drip from the branches during rain storms is likely to wash ... Spade the soil thoroughly, taking great care to make the top two or three inches, where the seed is actually sown, very ... It is ... to rake the soil of the top layer through a fine ... If it is heavy, loosen it by ... in silver sand. Heavy soil that crusts easily is a poor medium for seed sowing; it should be easily penetrable by the thin roots that strike downward and the wee leaves pushing up to the light and air.

It is not necessary to fertilize a seed bed, for fertility is not a factor in promoting germination. That comes in the later stages when growth gets under way. Ordinarily good soil will do ... well up to the point where transplanting becomes necessary.

If the seed bed is necessarily exposed to the full sweep of wind and sun it is an easy matter to put up a temporary fence or shelter to break ... of the wind and a lath screen to set over the bed in order to lessen the full force of the sun on hot days. To interrupt driving rains which ... wash out the seeds or cover them too deeply, window screening wire is excellent. Burlap laid over the bed until the seeds start germinating serves the same purpose. This also prevents too rapid evaporation of moisture from the soil.

A cut flower aid. Flower containers and holders of one sort or another are again to the fore, now that the outdoor growing season is at hand. It would seem as though even the manufacturers of such things have realized this fact and started in to



DUBOIS
The Original Frank WOVEN WOOD FENCE
TRADE MARK REG. U.S. PAT. OFF.

Dubois gives pleasing unity to house and garage or service quarters. It blends with any architecture, gives all year privacy and ... a lifetime minus upkeep cost. Made ... Heavy ... rust-proof, copper welded ... with heights: 18 inches to ... Easy to erect.

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Protect your Garden

Those tiny green, red or black insects which feed upon the tender green foliage or the buds of your flowers and plants are aphis (plant lice). You must kill them and similar insects if you expect the best growth.

Used by Gardeners Over 20 Years

A garden size "Black Leaf 40" package costs only 35c and makes about six gallons of effective spray. Have it on hand and be ready for insect attack. Sold by dealers in several sizes.

TOBACCO BY-PRODUCTS & CHEMICAL CORP.
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"Black Leaf 40"



Magic FRAGRANCE!

The pungent fragrance of Crown Lavender Smelling Salts acts like magic in relieving ordinary headache. Clears the head, steadies the nerves, counteracts faintness and weariness. Sizes for dressing table and purse. Sold everywhere. Schieffelin & Co., 16-26 Cooper Sq., New York.

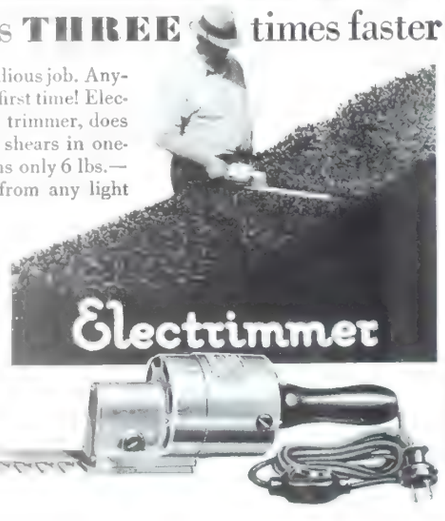
CROWN LAVENDER SMELLING SALTS

Trim your hedges THREE times faster

Use electricity for this hard and tedious job. Anyone can trim hedges perfectly the first time! Electrimmer, the new electric hedge trimmer, does the work of old-fashioned hand shears in one-third the time. Electrimmer weighs only 6 lbs.—hold it in one hand. Operates from any light socket at negligible cost and cuts the toughest Spring growth as easy as the leaf tips. A child can use it. Electrimmer is a boon to the gardener, a sound investment for every estate. Sold on a money back guarantee.

Price $39.50

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Grow GLADS

Make your garden the envy of your friends with Gove's Sturdy Vermont Glads. Best of garden cut flowers—very easy to grow. Our special "get acquainted" offers will make you an enthusiast for "Glad fun." Bulbs guaranteed to bloom first year.

100 LARGE STURDY VERMONT BULBS $3

This collection includes at least 10 fine varieties, in many shades of Red, Yellow, Pink, Blue, Orange, Smoke, White, all good ones but not labeled as to name. 50 for $1.75. ALL SENT PREPAID, with complete instruction for growing prize-winners. I believe this to be the finest "Glad" collection offered anywhere.

Send for illustrated catalog "that is different," ... 500 of the world's best varieties.

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Burlington, Vermont

51 PERENNIALS for 3 Each of 17 Varieties $5.00 POSTPAID

Enjoy an ever changing color picture from Spring to Frost. Plant this collection. Order now. It's time to plant. All are sturdy, healthy, blooming age plants—will grow on year after year. Free planting plans with each order.

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1. Achilleas
2. Alyssums
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17. Pinks

New Spring Catalog of Roses, Perennials, Evergreens, Fruits, etc. Free.

LOVETT'S NURSERY
Box 79 Little Silver, New Jersey

The garden scrap-book

relieve the business depression, for a tour of the supply stores discloses many hitherto unknown gadgets designed to serve in the cause of cut flower display and other garden uses. In fact, the introduction of new and practical garden accessories of all kinds seems to be on a more generous scale this year than in any season for a long time.

One of the best of these recent introductions is a green wire device which is readily attached to the stems of individual cut blossoms to increase their length and support them attractively in vases and bowls. Properly used, it holds the flowers in perfectly natural and graceful positions and is well adapted to special arrangements which otherwise would be difficult if not impossible. The device is adjustable so as to add from eight to fifteen inches to the stems of the flowers to which it is applied. It's so simple that a child can use it—literally.

Many department and housefurnishing stores, gift and flower shops now carry these thoroughly practical little wires in boxes of a dozen each. If you have any difficulty locating a source of supply, write to us and we'll be glad to put you on the right track.

A CIRCLE OF RAIN. Another of the new devices worth getting is a sprinkler designed to be attached to the end of an ordinary hose line where, held firmly in place by a spike thrust into the ground, it will distribute perfect raindrops throughout a circle a hundred and fifty feet across. This sounds phenomenal—which it really is, when judged by the performance of most portable sprinklers hitherto available. But remember that this is a season of real accomplishment by the garden accessory makers, including the sprinkler people.

One of the great advantages of this device, of course, is its large coverage without the need of attention by the gardener, and another is the ease with which it can be moved from place to place. You simply lay out the hose line, hitch on the sprinkler and jab its spike in the ground, turn on the water and let it rain. After a while, when the shower has lasted long enough, you go out and either stop it or move it elsewhere, as the case may be. So long as your local board of water supply doesn't put you in jail for depleting the town reservoir, you can simply forget how bad the drought is. And it won't cost you much, either—at the outset or to operate.

Let us know if you have any trouble finding one of these master sprinklers. They've just come on the market and possibly your pet supply store hasn't yet stocked up with a good supply of them.

This Marvelous Lawn Sprinkler



Sprays more water, spreads it evener, throws it farther on same pressure. Can be set instantly for mist-like spray, gentle shower, or drenching downpour. Use it as stationary or revolving sprinkler—for large circles, small circles, long strips or narrow strips, etc.—all sprinkler actions are combined in it, quickly set for *your* needs.

If not at your dealer's send us $1 and pay balance, $2.50, on arrival. Made and guaranteed by Chicago Flexible Shaft Company, 5554 Roosevelt Road, Chicago. 41 Years Making Quality Products.

Rain King
The BEST SPRINKLERS MADE

Flowers seem to *smile*..



when they're fed this *clean, balanced food*

LIKE healthy, well-fed children, the plants in your garden will radiate happiness if you let them feast on BloomAid, the rich, pleasant-to-use food that has all the elements required to make plants grow and bloom. It comes packed in handy 1-lb. and 5-lb. cans, and in 10, 25, 50 and 100-lb. bags. If your seedsman does not have BloomAid, write and we will see you are supplied. Just fill out the coupon and mail it to us.

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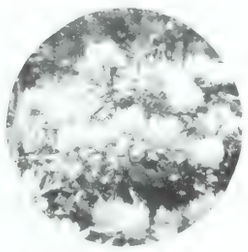


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Glory of the Hills



Nothing is more beautiful than the glorious spring blooms of Rhododendrons and Azaleas. Our nursery-grown native Rhododendrons are reasonable.

Special $25 assortment includes 12 plants, 1 to 3 feet high, ten different, enough to cover 25 to 40 sq. ft. Blooms from April to July.

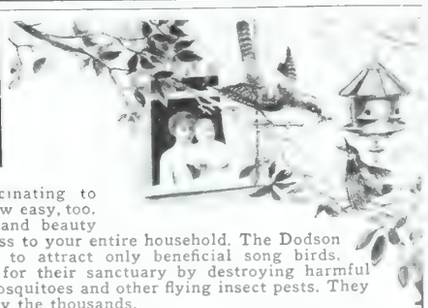
La Bars' broad-leafed evergreens call for no maintenance expense. Cold will not kill them. Price for this superior collection only $25, packed f.o.b. Stroudsburg. Please send check with order. Each plant guaranteed true to name. We have the largest Rhododendron nursery in America.

Send for catalog and list of shrubs in this offer.



LA BARS' RHODODENDRON NURSERY
Box H, Stroudsburg, Pa.

A DODSON BIRD SANCTUARY





JOSEPH H. DODSON

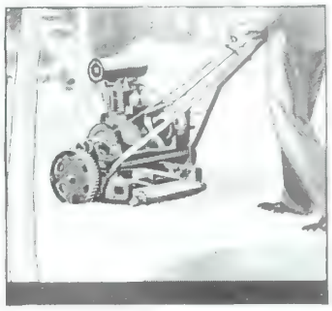
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Even a small garden may be made a haven for our beautiful birds. Write Mr. Dodson today for complete information. A book "YOUR BIRD FRIENDS AND HOW TO WIN THEM" will be sent to those who write.

JOSEPH H. DODSON, Inc.
"BIRD LODGE" 9 Harrison St., Kankakee, Ill.

Unequalled Handling Ease



FOR *both* INTRICATE AND OPEN CUTTING

A light touch guides these most powerful and responsive of all power mowers — the 1931 Ideals. Throttle down—and crawl carefully around a prized tree or shrub —open her up on straight cutting, and watch a large amount of lawn get smoothly mowed in a short time. You will be surprised with the ease that even the heavier, *roller* type Ideals glide quickly up steep hills. With an Ideal, your gardener can handle more work per day.

The motor has deep-chested power. The Timken bearing crankshaft gives smoothness. Automobile type differential insures easy turning. New lubrication system means longer life. New cooling system prevents over-heating on even the hottest days. The enviable record that Ideals have set in 15 years service on more than 25,000 fine lawns, is more than lived up to by these finest of lawn mowers. Two sizes *wheel* type (20, 25-inch width cut). Two sizes *roller* type (22, 30-inch width cut). Lawn owners find our new catalog useful—a copy awaits your request.

"I DON'T BELIEVE YOU"



Few believe us when we tell what the Triplex will do — until they see it. For large, thickly-foliaged grounds, it is the only logical answer. Ask about it.

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53RD ANNUAL CATALOG 1931. Containing several new and beautiful roses. Special attention has been given to their color and

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Where are they all? Well, some are right here on pages 42-45. This is the first place to look, naturally. Should it happen that your particular chink-filler isn't here, we know where to find him. That's our job—helping to find dogs that fit.

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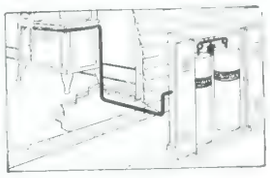
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Name _____

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BELL SYSTEM

House & Garden

A CONDÉ NAST PUBLICATION



GARDEN FURNISHINGS NUMBER

JUNE 1931 PRICE 35 CENTS



This actual color-photograph shows the reception-hall and staircase of a home on East 72nd Street, New York, where the decorator has created an unusual design, using Collins & Aikman Carpet in two colors. The staircase has been laid with copper-colored carpet, which flows at the bottom into a wide border, and follows the contour of the room. The main body of carpet is a rich golden color, achieving an off-shade harmony with the walls.

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—THE ONE THAT IS SEEMINGLY SEAMLESS

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DIAMOND JEWELRY

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44 NEW BOND STREET



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So useful! This little drop leaf table is appreciated for its convenience, as one reads or dreams and smokes by the fireside

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. . . . and here with leaves outspread, it serves as companionable coffee table

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TO BRIDES

WHO WANT TO SAVE MONEY ON THEIR STERLING SILVER

You have probably taken advantage of price cuts on many personal purchases during the past year. If your experience has been like our own you have made some "good buys" and some disappointing ones. We believe that we can help you to avoid disappointment, and get full value in buying your Sterling, by giving you the facts of a rather confusing situation—regardless of whether you choose Towle Sterling or some other. We speak as one of the largest silversmiths, with craft traditions dating back to the Moultons of 1690. –:– All Sterling Silver patterns fall into three general groups today:

GROUP 1

Some patterns are offered now at very low prices. You can save perhaps $15 a set. **But sort these "bargains" with extreme care!** Is the design worthy? Ask yourself, "Must I save to the last dollar? Will I lose more in beauty than I gain in cash? Is real artistry ever on the bargain table?"

GROUP 2

In this group are the really "good buys" in Sterling. Substantial price reductions to 1916 pre-war levels have been made. You can save money, yet have a wide choice of the best designs. Here are all the most popular and important Sterling patterns made by ourselves and by other members of the Sterling Silversmiths' Guild of America. They are worthy examples of the silversmith's art. Reliable jewelers have them now at greatly reduced prices.

GROUP 3

These Sterling patterns are a select few which have never sold on the basis of price. Yet even here you will find proportionate price reductions. The designs represent the peak of Sterling craftsmanship. They are in heavy weights. Some are hand-chased. The very nature of their design makes them exclusive. They are sold by only a few jewelers, bought only by discriminating brides who value their Sterling as a permanent art possession.





LADY DIANA LADY CONSTANCE



D'ORLEANS CHASED DIANA

GROUP 1—TOWLE

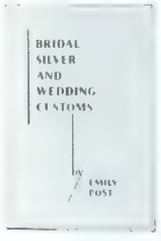
To meet the demand for a Sterling pattern at the lowest possible price, Towle offers the Dorothy Manners. Its motif harmonizes with Eighteenth Century Colonial or Modern Colonial interiors.

GROUP 2—TOWLE

These Sterling patterns by Towle are now priced lower than ever before in their history. If you are a bride—your set can be more complete than you hoped! If you already own one of these patterns, this year's wedding anniversary is a most opportune time to add needed pieces.

GROUP 3—TOWLE

The place of these rich and exclusive patterns in fine American homes rests more than ever upon the excellence of their craftsmanship, and the superior artistry and handwork of their design. Even these patterns have been reduced in price



Emily Post can help you plan! In this fascinating little booklet, the famous author of "Etiquette, the Blue Book of Social Usage" gives helpful advice about wedding planning and wedding etiquette, and tells you how to choose your silver. Send for it today!

TŌWLE

STERLING SILVER EXCLUSIVELY

The Towle Silversmiths, Dept. G-6, Newburyport, Mass. I enclose 25¢ in coin stamps for Emily Post's "Bridal Silver and Wedding Customs."

Name_____

Address_____

City and State_____

My jeweler is_____

B. ALTMAN & CO.

FIFTH AVENUE, NEW YORK



Table arranged by House and Garden for a recent exhibition of linens, china and glass by B. Altman & Co.

•

CHINA
101 Pc. Set, $107.00

GLASS
Goblets, a dozen, 7.00

LINENS
in great variety
FOURTH FLOOR

PARROTS
From Treasure Trove,
Pair . . . $4.50
SEVENTH FLOOR

SILVER
Wide pattern selection.
FIRST FLOOR

A Cool Setting for the Country Luncheon

A profusion of foliage and birds of plumage form the design of this delightful imported china richly encrusted with bright enamels. In exquisite harmony is the clear glass with green square base and stem. Two lofty parrots in brilliant hues gaze archly upon the luscious bowl of ripe cherries. Linen damask napkins and silver of a restrained pattern are perfectly keyed to this setting.



Gladys Muller

TOMORROW AND TOMORROW

THE GIFT that is here today and gone tomorrow abounds. But not for readers of House & Garden. These women of taste seek gifts whose beauty is more than surface-deep . . . and will be the same tomorrow and tomorrow as today. Small wonder then, that they are selecting Sloan Rock Crystal these bright June days, as they check over their list of bridal gifts . . . commencement gifts . . . anniversary gifts . . . gifts for their weekend hostesses.

And surprised they are to find that price is not a factor, as the Sloan collection provides a wide choice of patterns from the very modest in price to the more expensive. Why not a half dozen salad plates; a dozen goblets, cocktail, wine, champagne or claret glasses? Or an entire service? Hold a goblet to the light to see its flawless clarity; perfection of cutting and magic, jewel-like reflections. Then visualize a service of Sloan Rock Crystal on your own dining table complementing the gleam of candle-light and old silver. See this exquisite crystal today at your favorite dealer's or at one of the addresses listed below.

SLOAN

LONACONING MARYLAND

Look for this Trademark

ROCK CRYSTAL

Sloan Rock Crystal Ware in fifteen patterns, including all types of glassware, goblets and plates in these patterns, may be obtained at Gimbel's, New York; Carson, Pirie, Scott

. . . RINGS LIKE A BELL

Davis Co., Chicago; Snellenberg's, Philadelphia; A. Stowell & Co., Inc., Boston; Ed. Schuster & Co., Milwaukee; Sterling & Welch Co., Cleveland; Tuttle & Clark, Detroit; Kresge, Newark. Permanent display at 1107 Broadway, New York and at Transportation Bldg., Los Angeles. Write for booklet.



Swing High

. . . *if you want to*

$15.88

COMPLETE

—or, if you're more than eight, you may prefer to drowse with a book. Either way you will like this sturdy swing. Strong metal suspension. The oak frame is green, seats and crossbars are finished in maple, the canopy is orange and green. Swing $9.94—Canopy $5.94

Toy Dept., 34th Street and Broadway **MACY'S**

When your last shots lag...



SCHRAFFT'S
belongs in the picture of Health★

Don't let fatigue beat you—in sport or work! When tiredness threatens, eat a few pieces of Schrafft's pure candy for *quick energy*. Its deliciousness is equalled only by its nutritiousness, its flavor by its vigor! It is available everywhere, but play safe—take a box along on your vacation. 60c to $2.00 the pound.

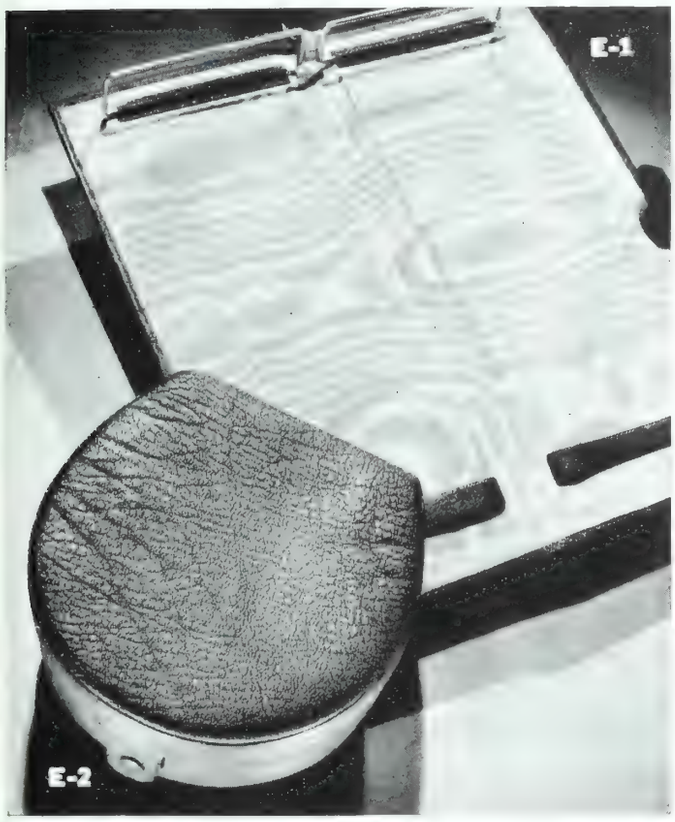
SCHRAFFT'S gives you quick energy for a QUICK COMEBACK

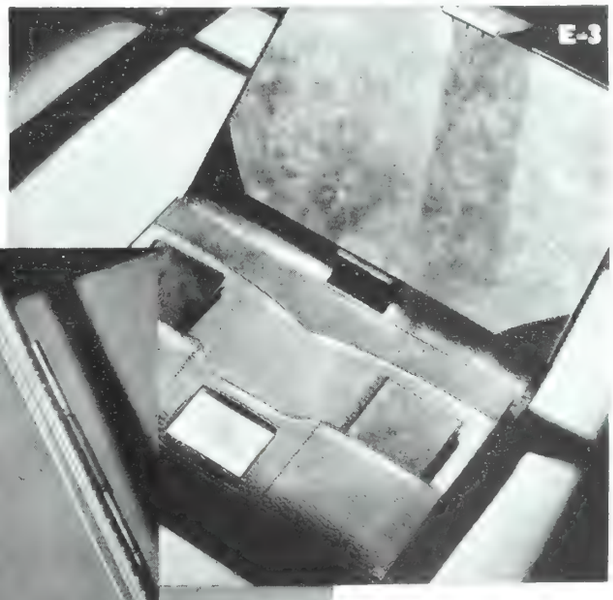
★ Every day thousands of healthy people buy Schrafft's Candy at the famous Schrafft's Stores and Restaurants.

SCHRAFFT'S • *New York and Boston* • OWNED AND OPERATED BY FRANK G. SHATTUCK COMPANY

SO MANY THINGS IN JUNE ARE WORTH REMEMBERING

OF COURSE, if you're *very* old, the spell of June won't move you. The warm earth and the leaves, the bright events that make life good . . . you'll have to pass these by. But that day never comes. The things of June belong to all of us . . . weddings and graduations and trips abroad. This year and always, they are the breath and color of our lives. And perhaps nothing adds more to the enjoyment of the month's felicities than a remembrance from an old and valued friend. It may be small . . . it need not be expensive. Back of it is the thought, and that is the thing that matters. An increasing number of cultivated people who own and treasure lovely things themselves make it a practice that such gifts shall be of fine leather. And if you could watch these people as they buy, you would find that their purchases are frequently governed by the presence of a tiny golden keystone "R." That imprint, placed upon every article of fine leather manufactured by C. F. Rumpp & Sons, Inc., is an infallible assurance that the gift is good. Beauty and loveliness are in it, and a high tradition of quality. C. F. Rumpp & Sons, Inc., manufacture fine leather goods of every description, excepting luggage. At leather goods and department stores, jewelers, stationers and haberdashers.









E-1 . . . A necktie case, in brown camel-hide, ecru lined, with a hanger which is gold-plated over non-tarnishable metal. Though especially desirable for traveling, the case will always find an acceptable place on a man's dresser.

E-2 . . . A collar box, in brown camel-hide, with ecru silk lining.

E-3 . . . A writing case, for traveling. In black and brown leather, the case is lined with leather as well, and includes an address book, note book, and perpetual calendar.

E-4 . . . An address book, in green ecrasé calfskin with a white jade inlay, enriched with gold tooling, and including as equipment a gold pencil. The address book may also be had either in black leather or in walnut grained calf, with red cinnabar inlay.

E-5 . . . A passport case, in pin seal, ostrich skin or pig skin, all with colored linings.

By Invitation Member

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Philadelphia and New York ★ Established 1850

Do you seek the charm and distinction





Do you seek a key to that combination of livableness and loveliness which can make even a formal garden seem charmingly simple and natural? ~ Then, think of *your* garden as a vast outdoor room in which Nature provides the decorative background and Man, perforce, supplies the furnishings. ~ Carpets of greensward . . . tapestries of verdure . . . a ceiling vaulted to the heavens . . . Here is a setting, infinitely old, yet always new . . . an ever-changing scene of many moods and mysteries. ~ Dare we tamper with this beauty? Can we add man-made furniture and ornaments to this masterpiece without spoiling its *natural* charm? ~ You'll find the answer in these many beautiful garden pieces imported from Old-World sources by the Wm. H. Jackson Company. ~ Fountains, Well-Heads, Columns, Sun-Dials and other fine examples of Garden Furniture and Ornament hewn from living stone by artists whose love of classic beauty has been handed down from generation to generation.

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ESTABLISHED IN 1827

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Then let the Wm. H. Jackson Company —purveyors to America's garden-loving families for over a century—serve you direct or through their representatives.

Inspired by long association with the finest examples of European garden-art and the study and development of many of America's most famous gardens, the Wm. H. Jackson Company offers you Old-World Garden Furniture and Ornaments of unusual interest and beauty; and helpful counsel in the choice and grouping of these pieces. ~ This reliable and comprehensive service, which has brought to America some of the finest examples of Stone and Marble Garden Furniture and which, each year, provides a selection of important pieces from Italy, France and England—is available to you either through the Jackson Galleries in New York and Chicago or through Jackson's Exclusive Representatives in other cities. ~ Other Jackson products obtainable through these same sources include: rare Antique Marble and Stone Mantels; reproductions of fine Period Mantels in Marble and in Cretan Stone; and beautifully designed Fireplace Accessories, Lamps, Mirrors, Smoking Stands and Book Ends in Bronze and other metals. ~ No House in America offers such *complete* facilities for beautifying your home with objects of art and utility. ~ And no House presents such unimpeachable values in both its manufactured and imported products.

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INTERIORS AND
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THE collection of "Ancient and Modern Art for Gardens" on display at 142 East 53rd Street combines both historic and artistic interest. Its arrangement has been conceived with delightful imagination and the subject is particularly timely at this season of the year. The exhibition falls into five chief groups: 18th Century wrought iron garden furniture; antique sculpture for gardens; modern sculpture; wrought iron; and an unusual collection of the attempts of Early American craftsmen. Two arrangements included in this last category are especially appealing. The first makes use of a carved wooden Indian, painted in brilliant colors, to mark where a spring [illegible] the end of a woodland path. In the second, a chain that frames a small, informal pool is stretched between horses' heads of iron that once were hitching posts.



Announcing—
One of the finest collections of light, [illegible] for the country, [illegible] or [illegible] addition to our usual complete [illegible] of period motifs [illegible] and [illegible]. Catalog "H" on request.

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Between 54th and 55th Streets
THROUGH YOUR DEALER OR DECORATOR



[illegible] Spode Dinner Set [illegible] border.

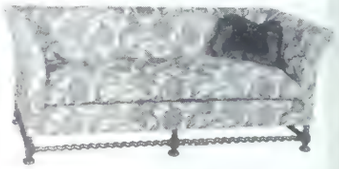
Dinner Set, [illegible] $138.00
Dinner Plates Doz. 18.00
Tea Cups and Saucers ... " 19.50
Individual Prices on request. Orders [illegible]

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STAY [illegible] just the right [illegible] ing to fit the body and give complete support, this occasional chair is a welcome addition to porch or garden. Upholstery is a sea-green, water proofed material for [illegible] of wicker are painted silver. Other color schemes may be had to order. $25. Grand Central Wicker Shop, Inc., 217 East 42nd Street, N. Y. C.

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DIRECTORY OF DECORATION & FINE ARTS

smart brass garden faucet

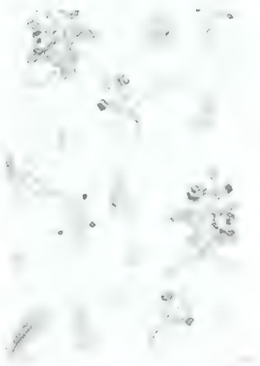


in days of drought, a good water-supply is something to crow over, especially in a garden. this beautifulcock fits any ordinary fixture. polishedbrass 8.00 each.

at fine shops or direct
have you our catalog

pitt petri, importer
incorporated
378 delaware ave., buffalo, n. y.

AT the right. Frivolous yellow tassels on graceful cords, pert feathers in pastel tones gaily tied with bows of orchid and yellow ribbon, and small sprigs of fresh roses are strewn upon a cream colored wall paper that is very young. A happy background for a young girl's room or for a small powder room. Priced at $1.25 a single roll. A. H. Jacobs Co., 117 West 33rd Street, New York City.



DUE to the fact that its only colors are black and white and because it usually deals with strong, simple subjects, the etching is well suited to the decoration of the walls of a man's room. A group of artists calling themselves "The Artist's Shop," located in Nashville, Indiana, have recently produced interesting examples of this type of art. In a representative collection were included two sea-scapes that might be used together on the wall above a man's desk or at either side of the fireplace in the library or study. A number of fine landscapes and very appealing animal subjects comprise another group of the work of this association. Pictures will be sent on approval if the types of subjects desired are mentioned and suitable references furnished.

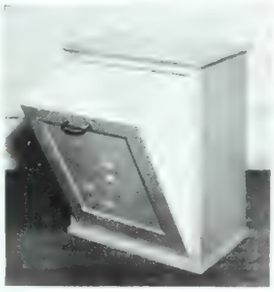


Pat. pending

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Lounge No. 206	27.00
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This furniture is handmade of iron tubing and is very light in weight. The backs and seats are of handwoven "Tulle". All models have a ring base which prevents their sinking into or marring lawns. The iron frames are finished in Forest Green and are rust proof.
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Catalog on request.
IRON CRAFTS, INC.
321 W. Laurel St. San Antonio, Texas
Prices F.O.B. Packing charges included



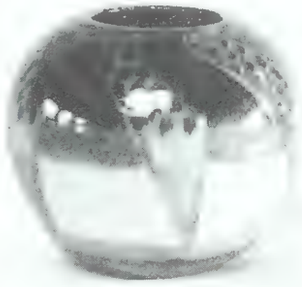
A New **HAMPER** *Idea*

This hamper has a drop front that opens out at touch and swings closed so easily. Substantially made of wood and delightfully decorated by hand to the individual taste. Size 12½" deep by 18" wide by 24½" high. A variety of other hampers also available.

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A SUNNY note is added to the informal week-end cottage when the windows are hung in curtains of deep cream net finished with a gay woven border of red and yellow spring flowers. 81 inches long and 36 inches wide, with flower-strewn matching valance, these curtains are guaranteed to be sun and tub fast. The price is $8.50 a set, postpaid. House of Charm, 79 Madison Ave., New York City.



ROOKWOOD

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ROOKWOOD POTTERY
CINCINNATI



The HINDUSTAN
A town house perhaps, with its limit of light and vista, would find an added spaciousness in a wall by the scenic wall paper THE HINDUSTAN by Zuber & Cie, Alsace. Vivid East India scenes in continuous panorama provide the most exclusive room with decorative warmth.

Beauty and Grace

Walk hand in hand on the French chintz THE AVIGNON by Paul Dumas, Paris. On lovely backgrounds of bisque, Du Barry, lapis, tête-de-nègre, and sea-foam, giant English pinks nod on graceful stems in harmony with the rather formal setting. Price $1.65 a yard.

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GARDEN FIGURES



Fisherman, Satyr or Jester, 26 inches, $40.00

The smiling faces of these gnomes, dwarfs and elfin creatures are bright spots in every garden. Hand painted, made of heavy terra-cotta and weather-proof, these jolly, gaily colored figures can be obtained in more than 1,000 different subjects. Prices from $1.50 to $250.00.

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Gnome standing, 16 inches, $8.00

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HANDWROUGHT
LANTERN SCONCES



INDUSTRIAL ARTS
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THE ultra simplicity which makes the lamp so completely modern likewise enables it to be combined successfully with other more traditional forms of decoration. The base is of French marble ware and the striped voile shade is in varying tones of green and brown. The base of the lamp measures 12 inches in diameter; the shade, 20 inches. $60. L'Elan, Inc., 50 East 52nd Street, N. Y. C.

QUITE often, in spite of expert landscaping, a garden lacks in character. When such is the case, a piece of garden sculpture frequently brings to the scheme the necessary strength and interest. Garden greens form a most effective background for stone and marble pieces while the neutral tones of the sculptures mingle harmoniously with the colors of flowers. The Pompeian Company offers many interesting examples of this type of garden decoration. Among these is a fountain group that would add formality to a small garden. The center of this piece is a boy with a dolphin. The base shows three sea horses, an eagle with outspread wings between the forelegs of each. This group may be had in marble or bronze. Other pieces are in limestone and Pompeian stone.



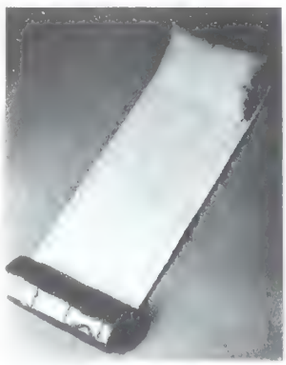
"Boy With Shell" *Height 48 inches*

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BATHING in the sun without submerging in the sand requires a beach roll. Covered on the inside with jade green permatex and outside with black fabrikoid and with attached pillow covered canvas, it is completely moistureproof. Not in use, it may be converted into a compact roll with handle for carrying. $15. Kaplan, Inc., 15 East 45th Street, N. Y. C.



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FURNITURE OF TEAK



Teak, recorded by Independence Hall centuries as the finest timber obtainable, is likewise the ideal wood for porch and garden furniture. It is [illegible] and does not [illegible] even when exposed to the utmost weather. In the form of furniture it has added merit the inherent beauty of the wood. Naturally a rich brown, it need not be painted or stained, and grows more beautiful with age. As made by McQuesten from designs formal or [illegible] is smart in every line. Add its fresh charm to your home.

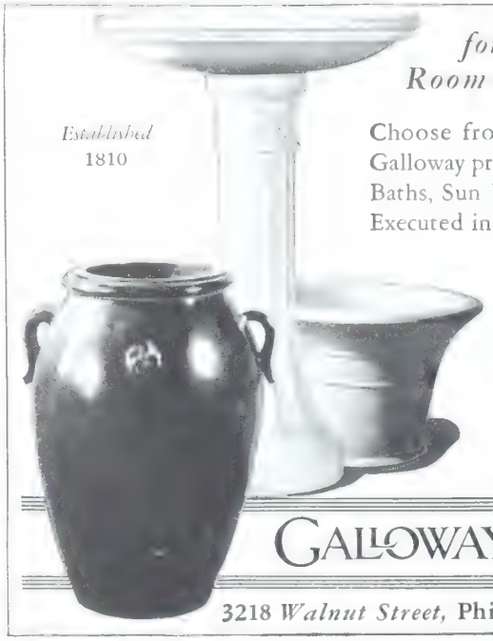
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Send 10c postage for complete catalog of Habitant Furniture

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HAVING achieved table linens appropriate in texture and color values for the most formal of tables, the Snow Looms have gone a step further and are now creating linens to harmonize with individual settings. The color and pattern of the china and glass with which a particular set of linen is to be used furnish inspiration for its design.

An interesting example of this idea was seen at a recent exhibition of table settings at the Ehrich Galleries, in which Snow linens were featured. In this case, the place plates were modern French china, gray with a border of shaded green. With these, small ornamental plates with a suggestion of rose and green in the pattern were used. In the center was a bowl of Nile green English glass.

The linen on the table was woven of dull pink threads crossed by gray and, like the place plates, had a border of green. Another feature of this particular linen was its open-mesh weave through which the color of the table showed. This new linen should prove especially popular with those who delight in unique tables.

FAIRYLAND FIGURES



A GAY LITTLE GARDENER

him with his wheel-

21 inches
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Original Watson mark Period candlestick of Sterling silver—only ones made with the new and exclusive Tinder-up candle socket which holds candle firmly vertical. No [illegible] with melting candle-stains from wobbly candles! Ten inches tall, $[illegible] pr. [illegible]

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is written by people born and bred in the traditions of which they write. It tells not only the outward rules of behaviour but also the underlying reasons that prompt them. It catches in its 571 pages the spirit of graciousness that actuates every courteous act. Send for this book today. $4.00, postpaid.

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"They are literally a new medium." *Earl Horter says of Salem Roofs*



EARL HORTER'S BRUSH FINDS INSPIRATION IN A SALEM ROOF



"IT is the *texture* of Salem Shingles—the changing design of light and shadow drawn on the roof areas—which is chiefly responsible for my enthusiasm. Subtlety of coloring we have found before, in a limited number of materials, but never this depth of texture."

E. Horter

HERE is the authenticity of the hand-hewn, weathered shingles found on early New England homes, but a much wider range of application.

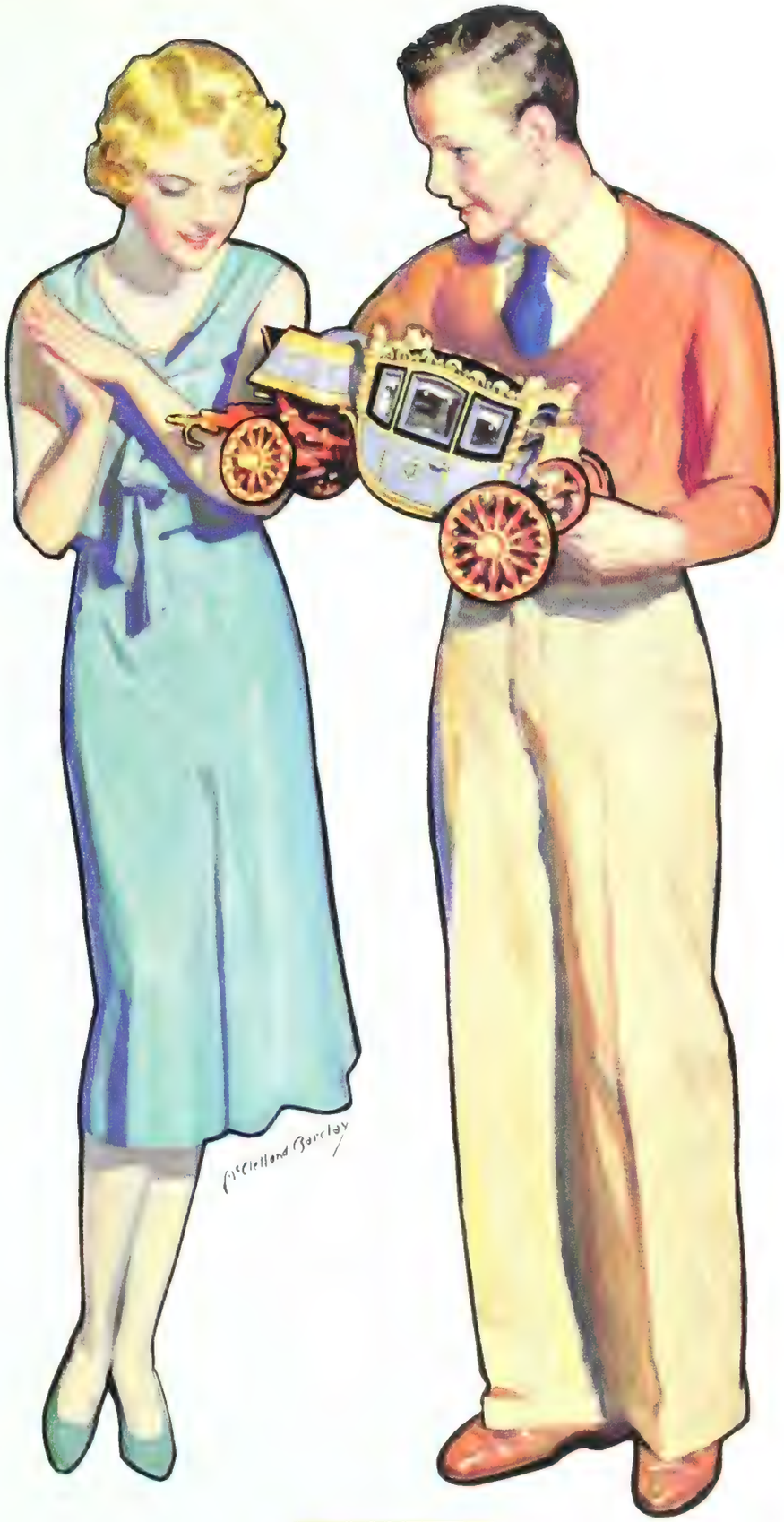
For Salem Roofs, now available in soft browns, greens and reds, in addition to the New England grays, harmonize with many architectural types and periods. In addition, they bring the feeling of age—of traditional genuineness—*now*.

There are important material considerations, also, in selecting Salem Shingles—whether for application over your present roof, or for new construction. As they are made of asbestos fibres and Portland cement, you will be spared all upkeep expense. Your roof will be fireproof—protecting the entire investment in your home from one of the most common causes of loss. Your roof will be everlasting.

Your architect will assist you in selecting the Salem Roof for your home . . . or write to Architectural Service, Johns-Manville, 10 Madison Avenue and 41st St., New York.

Johns-Manville *Salem* **Roofs**

JM PRODUCTS



THOUSANDS of boys all over America are completing miniature model Napoleonic coaches in the first year's activity of the Fisher Body Craftsman's Guild. These models they will shortly submit in a nationwide competition for four university scholarships of four years each, 98 trips to Detroit, and 882 other valuable awards. The Fisher Body Corporation sponsored this inspiring movement, believing that this exercise of creative talent, this quickening of the hand of youth, are essential steps toward the development of high ideals—that only through the training of the coming generation can fine craftsmanship be perpetuated and superior coachcraft be assured.

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PIERCE-ARROW

AMERICA'S FINEST MOTOR CAR



Mr. Adolphus Busch III, of St. Louis, is the owner of the Pierce-Arrow coupe shown in the photograph. Although more than eight years old, the car is used regularly by Mr. Busch.

•

Moving up and down and across the land, with daily satisfaction to their owners, are the visible, active evidences of Pierce-Arrow survival value.

To be prized in a man-made mechanism, as in a man himself, is long and faithful service.

Into the newest of Pierce-Arrows, with all their patrician value-of-the-moment, is built the traditional quality which creates Pierce-Arrow survival value, a unique attribute in motordom.

Thus a two-fold return on a Pierce-Arrow investment. First, the certainty that nothing finer or more modern is to be had among motor cars.

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In modern yet dignified design, in luxury, in long and economical life, Pierce-Arrow is today as always, America's finest motor car.

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Special Equipment Extra

Gay HOMES in a SUNNY LAND

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An exterior view of this interesting home

A beautiful brochure, with photographs of installations, may be obtained from any Wurlitzer store



A cheerful alcove in a California home showing the compact, aristocratic organ console

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Reproducing
Residence Pipe Organ

rolls each interpretation as the organist originally played it. The large library of recorded rolls includes symphonies, operas, ballads, and the songs today is singing. ¶See the Wurlitzer Residence Pipe Organ at the studio nearest your home. Come and discover for yourself just why this remarkable instrument appeals so greatly to home owners who value distinction. ¶Studios in Los Angeles, New York, Buffalo, Chicago, Cincinnati, Cleveland, Detroit, and Pittsburgh.

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Residence of Bruce B. Williams, Woodstock—Kenilworth, Ill. Architects—Armstrong, First & Tilton. Pyramid Stucco used.

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PORTLAND CEMENT STUCCO

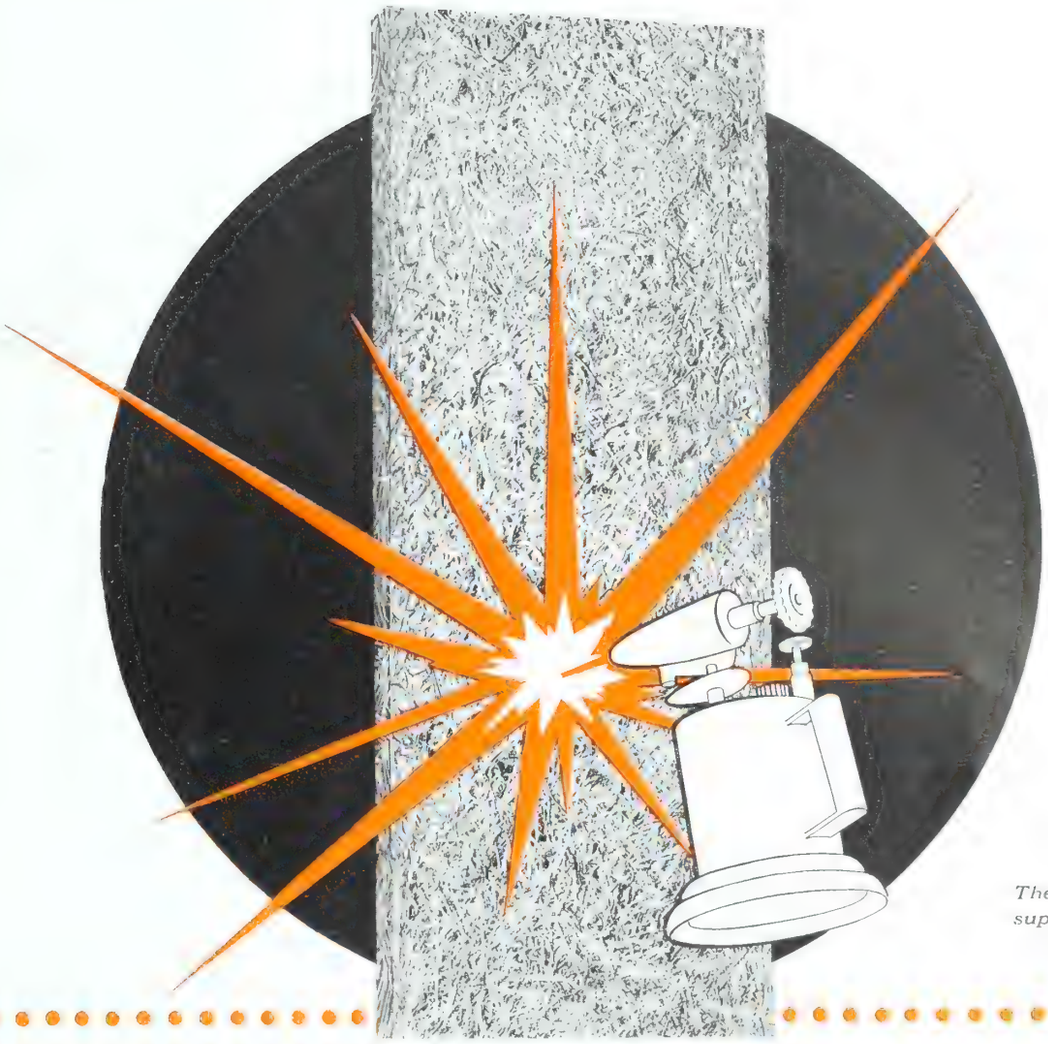
Homes like this reveal the enduring beauty of stucco made with Medusa Waterproofed White Portland Cement. Portland Cement Stucco is the one building material that lends itself to any style of architecture. It is unlimited in surface texture treatments. Supreme in its glowing whiteness, Medusa Waterproofed White Portland Cement Stucco excels as a medium for light tints or rich colors. The beauty of this stucco gains permanence through the "Waterproofing" in the Medusa Waterproofed White Portland Cement, which makes the surface impervious to moisture. When planning the new home, send for a complimentary copy of "Portland Cement Stucco with Medusa Waterproofed White Portland Cement." ◆ ◆ Literature on other Medusa Portland Cement products may be had upon request.

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Thermax standard boards are 1″, 2″ and 3″ thick, 20″ wide and 64″ long. Other lengths can be supplied if specified in reasonable quantities.

Thermax—the fireproofing insulation—is a remarkably efficient and economical insulating board. It is not new. Originated in Europe, Thermax already has had twelve years of practical use in nearly every European country. Now it is being made in the United States in accordance with American standards.

Here at last is insulation *plus* fireproofing. Thermax is a truly fireproofing insulation board. Made of treated wood and minerals it has lightness and structural strength. It is vermin proof, odorless, permanent and it gives adequate insulation in single thickness. Thermax has the thickness necessary to give real thermal insulation, provides fireproofing qualities not found in any other insulation board—yet the cost is moderate!

Thermax is ideal for walls, partitions, ceilings and roof decks. It offers, *in one product and at one cost*, insulation, fireproofing, sound-deadening, and a perfect base for plaster. Thermax can be sawed and nailed like wood.

Ask your architect to specify Thermax on your new home. Mail the coupon below for booklet containing complete description of this most modern insulation. Address THERMAX CORPORATION, 226 North La Salle Street, Chicago, Illinois.

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The Fireproofing Insulation

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Gentlemen: Please send me literature descriptive of Thermax.

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HE FOUND HIS FACTORY



MORE COMFORTABLE THAN HIS HOME

And he came to Carrier and asked, "Why can't my family enjoy Manufactured Weather as well as my employees?" Since many others had asked the same, Carrier produced the Weathermaker especially for homes.

FOR years Carrier Systems of Air Conditioning had been controlling the humidity and temperature of indoor air . . . keeping it free from dust and dirt . . . circulating it under proper pressure. In many different factories and industrial plants they had been producing the indoor atmosphere most suitable for carrying on essential and delicate manufacturing operations. And this very conditioning of indoor air provided a rare and unusual comfort for the people who worked there. It spurred them on to greater efficiency. It reduced the amount of sickness among them.

No wonder plant owners and executives began to think of their offices and factories as more ideally comfortable than their homes. No wonder they asked Carrier about an air-conditioning system for homes.

Then came the Weathermaker

The result was the Carrier Weathermaker —an adaptation of the Carrier Industrial systems to provide ideal indoor weather in homes in winter. Today more of these executives, together with architects and engineers, have Weathermakers in their homes and enjoy the same comfort at home as in their factories or offices. In these houses winter sickness has decreased. Homes, furnishings and human tempers have been saved from the devastating attacks of dry, overheated air from old-fashioned systems.

The Carrier Weathermaker is a complete heating system—but much more than this. It supplies the proper relative humidity. It enables the home owner to obtain the humidity most comfortable to him, and then automatically controls that humidity. This selective control of humidity is a distinctive Weathermaker feature. The Weathermaker also cleans the air and distributes the conditioned air throughout the whole house.

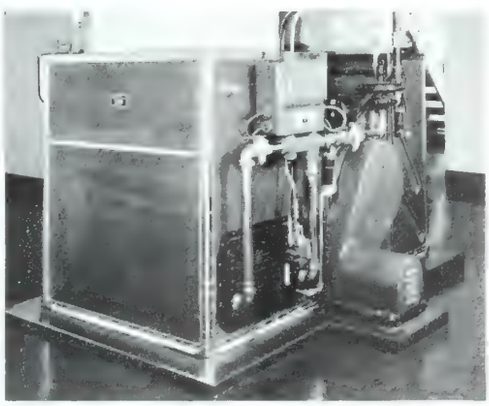
The Weathermaker too costly? No!

At the beginning the Carrier Weathermaker was a luxury to be afforded only by the wealthy. How frequently this is true of revolutionary scientific developments.

But this is no longer the case. You will find the Weathermaker today in the homes of the rich and of the moderately well-to-do . . . in $100,000 mansions and $15,000 residences. The system is the same. No standards have been lowered. In fact, new and higher standards of excellence have been set. But greater efficiency in production and skill in installation have lowered costs.

Gas now economical fuel

Lower gas rates, too, have placed the Weathermaker within the means of many more home builders. This most modern type of system is designed to burn gas. And it does so with greater efficiency than any other system now produced to use this modern, convenient, clean and space-saving fuel. This latter point alone makes it economical to operate now. And the steady trend toward lower and lower rates for home heating promises reduced costs for the future.



Carrier

WEATHERMAKER

REG. U.S. PAT. OFF.

Warms · Humidifies · Cleans · Circulates

Men who put Manufactured Weather in their homes, too

Many executives in the business and industrial life of the nation, recognizing the benefits that air conditioning has brought to their businesses, have provided equal comfort in their homes in winter by installing the Carrier Weathermaker. Among these are officials of

W. F. Schrafft & Sons Corporation
Westinghouse Electric & Mfg. Co.
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A valuable book for only two cents

We have told you something of the Weathermaker, but there is much more to be told. Let us give you the additional information which will show you how you can secure its many advantages. Send the coupon for our new booklet, "The Carrier Weathermaker." We suggest this especially to those who are about to build and those who now have warm-air heating plants in their homes. A Weathermaker can easily be installed in place of a warm-air furnace, and the present ducts can be retained for the distribution of conditioned air. Carrier-Lyle Corporation, 850 Frelinghuysen Avenue, Newark, N. J.

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Send me FREE booklet, "The Carrier Weathermaker."

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Look to the Future when you build or buy



IT IS ALWAYS provoking when the water supply fails—usually because of a rusted tank. Storage tanks of Copper or Everdur (strengthened copper) provide lasting service.



A TRICKLING FLOW of rust-colored water is not only unpleasant but is an indication that the pipe is rusting. In time the pipe will have to be replaced at great expense. Anaconda Brass Pipe, because it cannot rust, assures a full, free flow of crystal clear water at all times.

WHAT IT WILL COST to keep a house in good repair is a question to which far-sighted people seek the answer before investing in a home. Those who have owned homes know how troublesome and expensive short-lived metal work can be . . . and how completely copper, brass and bronze eliminate this annoyance and expense.

Rust is a major cause of upkeep expense in the home. It makes its appearance all too soon when metals that rust are used for water pipes, sheet metal work, screen wire, etc. While it is true that the first cost of copper, brass and bronze is slightly higher than that of rustable metals, it is likewise true that they will save their extra cost many times over in freedom from the expense of repairs and replacements.

ANACONDA
from mine to consumer

ANACONDA COPPER

THE INSIDE of this pipe is so badly clogged with rust that replacement is necessary. Anaconda Brass Pipe, which *cannot* rust, eliminates such expense.





FLASHINGS AND VALLEYS made of rustable metal will soon leak. Damaged interiors are the result. When made of Anaconda Copper (99.9% pure) you can be certain they will not rust.



THE OWNER OF THIS HOUSE took a chance on gutters made of rustable metal. In less than seven years rust had destroyed their usefulness. Gutters of Anaconda Copper are now being installed.

A NEW TYPE OF RADIATOR—smaller and more efficient—made of Anaconda Copper. It can be either partly or wholly recessed into the wall, and set off by grilles made of Anaconda Bronze.





SCREENS made of Anaconda Bronze Wire cost but little more than screens that rust. They can be obtained with wood or bronze frames, also roller type.



COPPER NAILS save money. Rustable nails cause loosened shingles ... leaks ... replacement expense.

Anaconda Copper, Brass and Bronze are produced by methods developed in the course of a century's manufacturing experience. Every step in the production of Anaconda metals for building purposes is controlled by the same high standards developed in supplying copper and copper-alloys of unvarying dependability to the rigid specifications of industry.

For your protection, Anaconda Brass Pipe is stamped every foot with the word "Anaconda." Every sheet of Anaconda Copper is trade-marked ... and you will find this mark retained on the gutters, rain-pipes and elbows made by leading sheet metal fabricators.

Valuable information on the advantages of Anaconda metals is given in the illustrated booklet, "Copper, Brass and Bronze in the Home." Write for a free copy. The American Brass Company, Waterbury, Conn.

AND BRASS *Can't Rust*



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IT STANDS FOR HONEST MATERIALS, HONEST WORKMANSHIP, AND HONEST ADVERTISING

Manufacturers using this seal have had their products endorsed by the Home Making Center Standards Committee. You are safe in buying their tested articles and services.

The Home Making Center is a permanent clearing-house for all new and practical inventions that go to making a home more livable, more efficient, more beautiful.

It was laid out by architects and artists as a fitting background for an extensive educational program embracing home interests. It occupies the entire tenth floor of the Grand Central Palace in New York.

At the Home Making Center you will find graphic displays of the latest and best ideas in interior decoration and home equipment, in fashions and fabrics and cosmetics, in budgeting and building, in food products and cooking and cleaning devices.

Trained consultants will help you with your household problems—they will even work with you on the decorative scheme of each room in your house—or plan your entire budget, no matter how small or how large.

Why not come to the Home Making Center on your next trip to New York? You will find it enjoyable as well as immensely instructive.

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A HOUSEFUL OF YOUNG IDEAS★ . . . AND OLD IDEALS



★ **MATCHED BEAUTY IN PLUMBING FIXTURES**
A new idea exclusive with Kohler. . . . When you specify the METROPOLITAN SET shown above you get complete unity of effect in the bathroom, and at modest cost. Each piece has the same motif and matching details. Notice the beveled edges, the convenient, wide flat rims and the plain surfaces throughout. Three-piece sets in this series, complete with chromium-plated fittings and ready to install, range in cost from $208 to $269. A number of other sizes and models are available.

WHEN He and She agreed to join hands for life they vowed to join heads in planning a place to live in . . . to go slowly . . . to take the advice of experts at critical points (Bob's architect friend, for instance) . . . to make a little home of no regrets.

They don't know yet how wise they were, but they will. For no home is so modest in cost as not to require quality at essential points. No home so richly furnished as to hide critical defects.

Every house is a true character study of its owners. And perhaps no part tells more, even to casual callers, than the bathrooms. Here your choice of equipment and the care you give it reveal your beliefs on how a civilized person should live. Here, taste and training speak plainly for themselves.

You will find Kohler fixtures and fittings in the homes of ultra-particular people. You will find them in houses built by architects for their own use . . . in the homes of builders, contractors, real estate men—where experience has shown that the finest plumbing is *always* the best investment.



The enameled lavatory has hooded overflow and anti-splash rim. Octachrome fittings carry out the METROPOLITAN *motif*

ELEVEN IMPORTANT POINTS

1 Kohler designs are decorative, significant, correct.
2 Kohler enamel is smooth, hard, fused with an everlasting bond.
3 Kohler vitreous china is armored with an even, lustrous, lasting glaze.
4 Kohler colors are soft, pleasing pastels. The white is a pure white.
5 Kohler metal fittings match the fixtures in character and in quality.
6 Kohler materials are the finest—Kohler workmanship most careful.
7 Kohler products of this year are next year's new ideas in plumbing.
8 Kohler quality extends to kitchen and laundry.
9 Kohler quality costs no more . . . and saves money later.
0 Kohler products are handled by qualified plumbers.
1 Backed by an *entire community* . . . beautiful Kohler Village.

Some of the reasons you can see. In good design, in softer and clearer colors, in finer finish, in accurate detail and perfect harmony. But back of all these is the craftsman care that makes each Kohler product a sound, enduring thing. Quality is built in, from surface to center. And the results are yours, *for life*, in beauty and good service and safety.

When you plan bathrooms, washrooms, kitchen, laundry—plan all-Kohler jobs. The working parts must work! Kohler faucets and valves and drains are made of tough, rustless brass. They have fewer and stronger units. Their action is easy, positive, sure. Their use avoids costly failures later.



Don't forget that fine plumbing *always saves money*. The very best costs little more than the doubtful, dangerous kind . . . cuts running expenses . . . saves the time and trouble of repair work . . . increases property values. Besides paying regular dividends of comfort, ease and pride.

Ask your architect and plumbing contractor to help you compare the quality and the costs. Estimates will show that all-Kohler installations are well within the figure allowed. Once your decision is made, be sure to get what you want by seeing the name Kohler in the specifications—and by finding the same name on each piece and part when installed.

Your copy of an interesting new booklet on modern home plumbing and its planning will be mailed on request. Write for it now, using the coupon below. . . . Kohler Co. *Founded* 1873. Kohler, Wisconsin. Makers of Kohler Electric Plants.

KOHLER OF KOHLER

LOOK FOR THE KOHLER MARK ON EVERY FIXTURE AND FITTING

KOHLER CO., Kohler, Wisconsin

Please send me your new illustrated booklet A-6, which will help me plan BEAUTIFUL AND DUTIFUL BATHROOMS AND KITCHENS.

*Name*_____

*Address*_____



—why not use TIDEWATER RED CYPRESS?

(FINISH GRADE)

Now it costs no more than ordinary wood!

FOR the man or woman who is planning either to build or alter, here is a bit of news that may save you many a dollar in the construction of a home which until now only the "well-to-do" could afford.

Today, and for the first time in history, you can purchase *Finish grade* Tidewater Red Cypress for the cost of ordinary wood—*think of it!*

Now, for the cost of other woods, which often warp, you can bring into your home the rare charms of this Wood Eternal, exquisitely grained through untold centuries of growth.

Before you build or alter, by all means consult your architect about *Finish grade* Tidewater Red Cypress. He knows the merits of this grade —its warm coloring, exquisite grain, and its easy workability that saves in labor costs.

He will tell you that the *Finish grade* should be employed for paneling, doors, baseboards, cupboards, beams, trim—for any part of your woodwork where its inimitable charm can enhance the beauty of your home.

He will also tell you that you can choose any finish your fancy desires. For whether the *Finish grade* is painted, charred, stained, sand-etched or left in its natural state—Tidewater Red Cypress always attains an effect of mellow richness.

If your dealer is not stocked with this particular grade of Tidewater Red Cypress, he can get it quickly or you can write direct to any of the Association Mills listed below. Further information will be sent gladly upon request. Address the Southern Cypress Manufacturers' Association either in Jacksonville, Fla., or New Orleans, La.

[redacted] dous demand for exterior structure—the other is the *Finish* grade. Because of the demand for *Heart* grade lumber, it is possible to produce and sell the *Finish* grade at remarkably low prices.

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(COAST TYPE)

THE WOOD ETERNAL

THE DOG MART OF HOUSE & GARDEN

FAMOUS
RENSAL SEALYHAMS

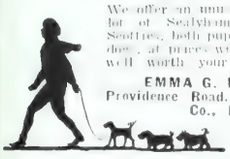


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win at the larger shows. They are the Aristocrats of Dogdom—beautiful, intelligent, affectionate. Loyal guardians of the home.
Write for free pamphlet
DAWN KENNELS
Wrigley Bldg. Chicago
Golf Lane Wheaton



Courtesy Marguerite De Nys

THE SHEEPDOG OF FRANCE

Robert S. Lemmon

IN the Middle Ages the dogs of Continental Europe, and especially those of France, were popularly divided into two general groups: those of the mountains and those of the plains. The former were shaggy, fierce fellows whose chief place in the scheme of life was to check the depredations of wolves and generally serve as hunting companions for their almost equally unkempt masters. The plains dogs, on the other hand, were more civilized, in keeping with their tasks of herding sheep and cattle and guarding homes. That they were also used for hunting wild boars does not seem to have militated against their usefulness in more peaceful occupations.

It is to the latter group that the Briard or Berger de Brie belonged. He was the accepted type of dog for plains life,



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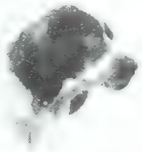


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Puppies and Show Prospects for sale
FREELAND KENNELS
MRS. ARTHUR VOGEL *Owner*
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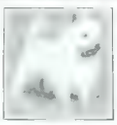
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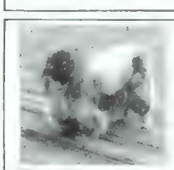


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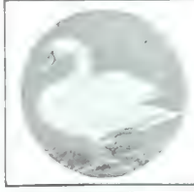
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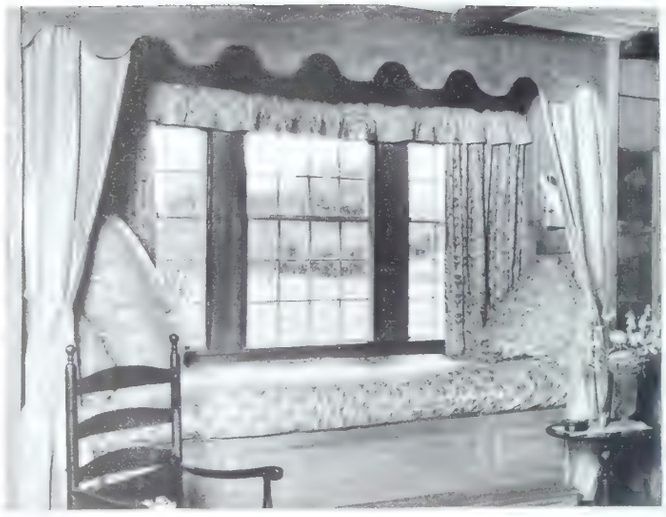
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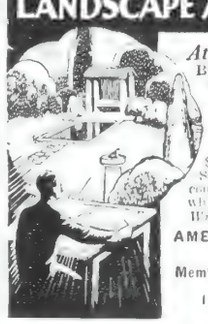
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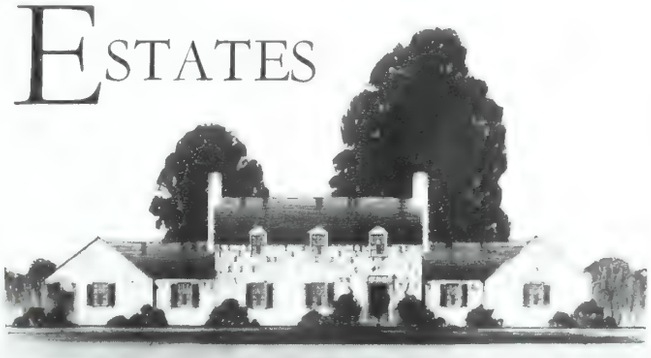
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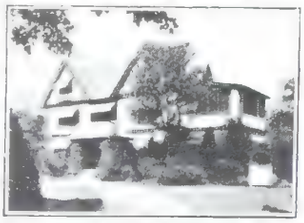


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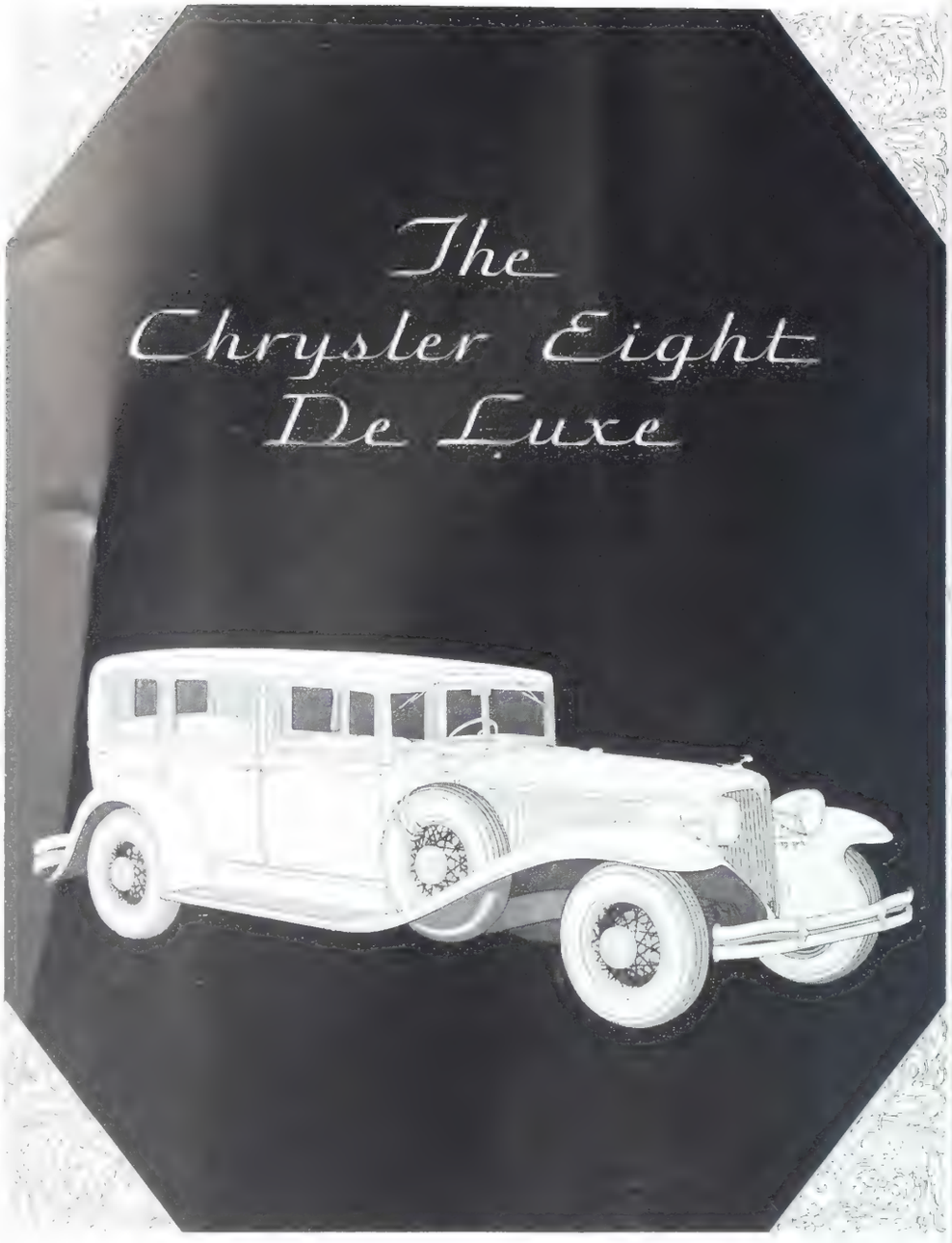
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The Chrysler Eight De Luxe, now available in five luxurious body styles, is precisely that kind of motor car.

Before now you may have looked at moderately priced motor cars you thought were admirably smart, but—*look at this one, please.*

Before now you have ridden in moderately priced cars which seemed to be very rich and very comfortable, but we ask you—*ride in this one.*

Before now you have driven moderately priced cars you may have considered to be highly capable in performance, but again we ask you—*drive this one.*

Maybe this seems over-enthusiastic. Maybe we appear to be leading you to expect too much, even of a Chrysler. On the contrary, Chrysler Eight De Luxe fully justifies our enthusiasm. It will not disappoint your high expectations.

Chrysler's fine quality has gone into it. Chrysler's engineering genius has been lavished in designing it. We know the many, many tests we have given it. We know what the car will *do*. We know how it compares with other cars.

That's why we so confidently ask you to expect splendid things of the Chrysler Eight De Luxe.

This de luxe edition of the Chrysler Eight is patterned after the magnificent Chrysler Imperial Eight. It has that smart double windshield with chrome-plated frames; that lengthy sweep of line; that extremely graceful effect resulting from a low center of gravity; that visible staunchness that denotes a car of fine quality—that *aristocratic* look.

It has unusually *small wheels* and unusually *large tires*, maintaining normal road clearance, but greatly enhancing the [illegible] as well as adding much to de luxe riding comfort. Five wire wheels are [illegible] and spare rim, if you pre[illegible]

Inwardly, the Chrysler Eight De Luxe is sumptuously spaced, upholstered, trimmed and fixtured. Bedford cord upholstery of extremely rich weave and quality. Floor carpetings of high-pile luxuriousness. Soft seat backs and cushions with the deep, embracing comfort yielded by Marshall-type springs—the very finest. There are interior sun visors. Interior panels, instrument board and window mouldings are of dark walnut finish.

These are but a few of the luxurious features of the car. Bodies are large and unusually roomy, built for restfulness. And as to performance, we repeat—*just drive one.*

It is a car of de luxe *power*, de luxe *speed*, de luxe *pick-up* and de luxe *smoothness*, as well as a car of de luxe style and appointments.

Its big, quiet engine is insulated from the frame by live rubber; has a perfectly balanced crankshaft, fully counter-weighted—and generates with ease a good 95 horsepower.

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DE LUXE ROADSTER	1545
DE LUXE SEDAN	1565
DE LUXE CONVERTIBLE COUPE	1585
DE LUXE PHAETON	1970

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JUNE 1931

THERE is that about the month of June which sets it more apart from its eleven fellows than any other of that time-tried company can claim. Though it is of the summer, yet is it incomparably rich in the freshness of spring; despite the fact that its growth still leaps ahead, it is the growth of maturity. June is at once the promise and the fulfilment, an interval of expectation, of realization and regrets.

It is as well, perhaps, that such perfection is impermanent, for doubtless we would grow surfeited with it. Better that we look upon June as a dressed toilet for the inclemencies of seasons past and to come, a temporary personality whose companionship is to be cherished for the un[illegible]





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Semi-Sweet Chocolate with half the usual amount of sugar, depending upon the sweetness of the center, and giving a rich chocolate tang welcome to all palates.

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The BULLETIN BOARD

A PROGRAM OF PRICES. To garden clubs, we suggest this month that they send their members scouring through the catalogs with paper and pencil to make budget gardens. Mrs. Jones can be assigned the task of selecting Rose beds that cost $10., $20., and $50.; Mrs. Smith might make the same sort of selection for Iris and Peonies and Mrs. Brown do a Tulip bed with harmonizing ground cover. Besides being instructive to the club, this sort of price visualization would be welcomed by the dealers.

For personalities in June we suggest Bernard Palissy (1508-1589), the famous French potter who created ceramic grottoes and wrote on garden design; Dean Hole, who wrote so delightfully on Roses; and Peter Henderson, the founder of the great seed house.

THE HOUSE THAT GROWS. As promised in the last number, we present this month "The House That Grows," designed for House & Garden's readers by Leigh French, Jr., famous New York architect, and rendered in color by Pierre Brissaud, equally famous French artist.

Next month the story of the first interiors will be taken up. The furnishings for the living room will be suggested by Macy's, the dining room by Altman's, the bedrooms by Lord & Taylor, and the kitchen equipment by Lewis & Conger. These also will be presented in color by Allan Saalburg. The furnishings will be nationally available and the prices based on a reasonable budget. By "reasonable" we mean that they will represent good taste at a price.

FLORAL LUXURY. The height of floral luxury was evidently attained by the French kings who lived at Versailles. They dreaded the sight of empty flower beds in winter, so, at prodigious expense, those beds used to be filled with Dresden china flowers, and plants made of gilded lead. Even to this day gardeners, working the soil around the Grand Palace and the Petit Trianon, turn up these fragile bits of kingly extravagance.

COLLEGIATE PLANTING. June is the month when old graduates return to their colleges to bewail how things have changed since they departed from those Ivied walls, for it is among the fetishes held by college students that, on their departure, the place somehow began to change, and not always for the best. Perhaps they could do something about it if they took a hand in planting college grounds.

American colleges have been enjoying a prodigious building campaign, but the landscaping of the campus has not kept up with it. Those immortal Elms, of which we sing so fervidly, may need spraying and the care of the tree surgeons. The new buildings may rise stark from the ground without a graceful foundation planting of shrubbery. It might even be that the faculty would find life a little less dull if some alumnus would offer to start gardens around their professorial homes.

WHITE BUTTERFLIES

White Admirals and butterflies that crown
The Scarlet Runners with a tipping light
Still blunder delicately up and down
The windy corridors of chrysolite,
The halls where green shade wavers and falls,
And wings go glimmering pole and pole down
labyrinths of delight.

Faintly the blue Lupin stoops and stirs
To the rich burden of surrendered wings;
Faintly ten thousand transient pilferers
Hesitate in dusty hoverings,
Or knock with a blunted golden shock
On Canterbury Bells, on Sleepthorn deep with
drowsy hammerings.

Phantasmed grandeurs haunt the humid bees
Of caravans that traffic in dense bloom
And Lilies minted marvelously; but these
Lean on the shuddering instant of their doom,
And pass with the pageant of the grass,
The bright procession of bells and wings that
rings and dwindles through the gloom.

—JOSEPH AUSLANDER

SIGN FOR TREES. In Portugal the following notice, which might well be posted by our public garden authorities, is set up in the parks for all to see and ponder:

TO THE WAYFARER

Ye who pass by and would raise your hand against me, hearken ere you harm me. I am the heat of your hearth on the cold winter nights, the friendly shade screening you from the summer sun, and my fruits are refreshing draughts quenching your thirst as you journey on. I am the beam that holds your house, the board of your table, the bed on which you lie, and the timber that builds your boat. I am the handle of your hoe, the door of your homestead, the wood of your cradle, and the shell of your coffin. I am the bread of kindness and the flower of beauty. Ye who pass by, listen to my prayer: Harm me not.

FLOWER ROOMS. Among the amenities now being added to country houses is the flower room. Here are kept vases for all types of bouquets, boxes in which to send off flowers to friends, and the tools necessary for the care of house plants. There should also be a sink with faucets high enough to fill the tallest vase, to the everlasting comfort of man and flower alike.

These rooms are given distinctive decoration. If anyone lacks an idea for a flower room, she might adopt the scheme of Amenhotep IV, an Egyptian king, and a great lover of flowers, who decorated his bedroom to represent a garden—the floor finished in the simulation of a Lily pond, from which sprang the pillars of the chamber, like flower stalks.

BOOKS FOR AMERICAN GLASS COLLECTORS. This bibliography corner of the Bulletin Board seems to be attracting attention. A reader, who is president of a New England historical society, asked us for a list of books of American antiques, saying that he would start the society's library with them. We sent him the titles of 170 volumes covering 15 different subjects. Perhaps other readers would like help of this sort. Our Readers' Service will gladly aid them.

Meantime we suggest the following few titles for those who collect Early American Glass: *American Glassware, Old and New*; L. A. Barker, *American Bottles, Old and New*; W. S. Walbridge, *Collecting Old Glass;* Sir James Yoxall, *The Glass Collector;* MacIver Percival, *Early American Bottles and Flasks;* S. Van Rensselaer, *Early American Glass;* R. M. Knittle, *European Glass;* W. Buckly, *A History of Old English Glass;* F. Buckley, *Irish Glass;* M. S. D. Westroff, *Old Glass;* N. H. Moore, *Sandwich Glass and Glassmakers;* F. T. Irwin, *Sandwich Glass;* L. W. Williams, *Stiegal Glass;* F. W. Hunter.

THE PERSISTENT PROVINCIAL. Many waves of furniture interest have washed around the shores of the American home during the past eighteen years, but none has stayed so long without a sign of receding as the French Provincial. We have taken both the French farmhouse and the *petit manoir* into the bosom of our architectural family, and with it, the furniture of provincial France. Today these pieces are available in excellent reproductions for all rooms of the house. Combined with Early American, the two form a mobiliary front that even the boldest of modernism cannot pass.

CHOPS IN PANTALETTES. It is still customary in some restaurants and in homes which a crown roast is served, to clothe the unfleshed shank of the chop bone in frilled paper pantalettes. Legs of ham and mutton were once thus enveloped above the knuckle. A French custom, this, descended from the time when to carve a roast, it was held by the leg. Today no one dreams of carving at table, and thereby a splendid domestic art has fallen into desuetude and paper pantalettes become a childish anachronism.

We do not favor the abolition of all such old customs; some of them are too precious. What an unthinkable epicurean loss it would be, for instance, if corn on the cob, like the crown roast were banished from the table.

MODERNISM IN ITALY. Some of the most interesting chintz designs now being offered come from Italy. They present a striking paradox: these most modern of modernists are finding vivid inspiration in the oldest forms of Italian art—in the Etruscan and in primitive carvings and paintings. Even their molded plaster on walls and their pottery show these influences.

LOG CABIN HINTS. The present popularity of log cabins sent us digging into the Apocrypha recently to see if there wasn't a text for this subject. Sure enough, there in the 13th Chapter of the Wisdom of Solomon, you find two amusing paragraphs—one for the builder of the cabin, and one for the man who likes to make queer things out of bits of wood:

"Now a carpenter that felleth timber, after he hath sawn down a tree, meet for the purpose, and taken off all the bark skillfully round about, and hath wrought it handsomely, and made a vessel thereof fit for the services of man's life . . .

"And taking the very refuse among those which served to no use, being a crooked piece of wood and full of knots, hath carved it diligently, when he had nothing else to do, and formed it by the skill of his understanding, and fashioned it to the image of a man . . ."



Now come the days of summer

House & Garden

Concerning week-end guests and the etiquette of visiting

I OVERHEARD a conversation once which impressed me with the importance of booking your week-ends early. "No," said the fluttery and sinuous young woman, "we are full up at that time. The only breathing space we have is the third week in August." She sighed, even during this blustery evening of February, with the weight of her summer responsibility, and fanned herself with a filmy handkerchief.

This was hospitality with a vengeance! I could imagine her sending a printed notice to her friends, announcing that she was ready to hear just cause why they should be invited at all, and I could see her puckered, powdery brow studying her week-end chart.

I know of one man who wanted always to come to a certain country house in Daisy time; there was a field near the estate which was a carpet of sprinkled white and gold. For several seasons he was humored and his week-end was kept sacred. Then, because someone was sailing out of customary time for England, he had to be put off. "But never mind," wrote his host, "I've bought the field for you and here's the deed."

This is what I call humoring the spoiled week-ender. For, though I am going to consider this matter from the host and hostess angle, the guest is just as calculating at times. You know the princely habit of asking to have a list of those present sent in advance. How many of us take an inventory of our possible invitations. You'd rather any time spend a week-end with *X* and his charming wife and daughters than with *A* and his severely inquisitive sister.

THE same philosophy is behind every week-end. The element of despair creeps in when you have accepted an invitation to a deadly dull household, and then receive a call for a cruise on a yacht or a house warming, where the blood of youth is the thrilling fire to temper the mountain breeze. Many of us would like to make the announcement: "We are open to week-end bids. Our presence will be awarded to those who, in our opinion, will assure us the most agreeable moments." For week-ends are moments which should be lived fully, refreshingly,—within a span of thirty-six or forty-eight hours. There should be no irksomeness, no compellingness about them. The "I-suppose-we-must-have-them" spirit, the "Well,-I'm-cornered,-and-there's-no-escape" attitude are the negative pictures we deplore.

Yet week-ends are fast becoming matters of duty, of etiquette. Who has not experienced the "What-shall-I-do-with-them" feeling after inviting certain guests! It really is too bad that we are not allowed to ask in our invitation: "What is your capacity for being amused? What are your favorite recreations? You had best bring with you your own particular pleasure for the idle moments of the day." Of course you can spread before your guest all the possibilities the house affords: the spacious porch, the flower garden, the pool, the tennis court, the golf course. But sometimes you are likely to miss out on your calculations.

THERE is an exhausting variety of week-end guest whose hobby is larger than the grip he brings. "I'm most interested in the study of mushrooms," he says. "Do you mind if we get out and see what we can find?" Of course the cumulative pronoun dragged me in, to say nothing of dragging me out. "We can have what we bring back for luncheon," he said genially. But when I saw his hesitation, his doubt; when I learned that the edible and the poisonous were separated by a very thin line that quivered doubtfully in his mind, I decided to have a supply of the doubly certified variety rushed from the village. We traipsed acres of hill and dale, of sun and shadow. Any toadstool made us pause. Had I known what an experience faced us, I would have sent ahead someone with several pounds of mushrooms to drop in accessible places, as a caddy drops a ball when his irascible client shoots into the impenetrable rough.

"You know," said another guest, "this seems to be a rich geological section." I hadn't thought of the word in all my seasonal communings with nature; but here I was with another hobbyist on my hands. We tapped the whole countryside; we scaled rocks and tugged at boulders; we chipped away surfaces and measured layers; and I thought we would never end until we discovered what sort of a skating-rink Connecticut was in the glacial period. To hunt in this manner is an expedition, not a vacation!

Of course week-ends, to be successful, depend quite as much on the host and hostess as on the guest. As Shakespeare would say, "It blesseth him that gives and him that takes." Or, just as readily, it maketh miserable!! I have been in houses where the "Meet-the-neighbors" spirit has wrecked the freedom and the rest that I sought. I have quailed before the "I-want-you-to-see" slogan, until I have sought sanctuary in my room, and opened the windows wide to let in the quiet and peace of the hills. My host was the only disturbing factor. There is no more delicate machinery than that which brings a week-end to a successful close. It speaks well for both sides.

THEY were talking in my presence about someone who should be asked for a week-end. "It's a duty," said one. "It's a martyrdom," said another; while a third volunteered the bright suggestion that if it happened, he should be given a reward for being good while the torture lasted. How vividly it brought to mind the imminent arrival of such a guest during my youthful days, a mother with her small daughter, more imp than fay. They were to spend an indeterminate time. I was bribed shamelessly to maintain the peace. "Be good to Patty," I was told, "and you shall have an express cart." But patience, even though tempered (*Continued on page* 88)



On small garden houses and quiet outdoor studies

By Richard Le Gallienne

SOMEONE has said that a library in a garden sums up the whole felicity of man, and with books or without (but always better with!) lovers alike of gardens and books have always had a particular fondness for those little garden-houses hidden away in some secret corner of shrubbery, where they might dream over a book, its page made the more attractive by illuminated traceries of sunny shadows softly swaying across it, tendrilled leaf-shadows, and little darting shadows of birds—"O for a book in a shady nook". Or where they might sit smoking a pipe with a friend, or sit hand in hand with a sweetheart, watching the stars come out and the moon rise, and listening to the nightingale in the coppice, or the hoarse music of the night-jar.

The 17th and 18th Centuries were particularly fond of these out-of-doors retreats, and old romancers time and again found them useful for the clandestine meetings of lovers breathing their vows between kisses under the menace of dagger and sword. But I am thinking of them as haunts of those engaged in less perilous, but more lasting, excitements. One I recall that evokes more peaceful memories. Anyone who reads Izaak Walton's *Compleat Angler* nowadays will remember the little sun summer-house which his crony and collaborateur Charles Cotton had built on the borders of his Derbyshire estate, on a tiny island in a ravine through which flows the river Dove. There, with the murmur of the mountain stream rippling by they would sit of an afternoon, talking philosophy, or discussing the technicalities of their "gentle art", two friends whose friendship the most delectable of all quiet books has made immortal. There today the quaint little house still stands with the river talking by just as it did then, and over the lintel of its door may still be read carved in stone, with their initials inter-twined, the legend *Piscatoribus Sacrum*, a memorial forever of the quiet hours they spent there together, "Piscator" and "Viator", strangely assorted companions it might seem, the pious old iron-monger of Fleet Street, and the courtly poet.

It is a long flying leap from this haunt of those two famous old cronies, "sacred to fishermen", to the heart of old Paris. But, as I have said before, one of the charming surprises of the city popularly supposed to be all worldly glitter and feverish sentiment, is the number of hidden gardens where a green quietude, deep and still even as that of Walton's Dovedale, is to be found at the noisiest hours.

In one of these gardens on the Left Bank, in the Rue Jacob, scarcely an arrow's flight from the resounding traffic of the Boulevard St. Germain, is a similar garden-house sacred to friendship and polite conversation. The house is at present occupied by a well-known American woman of letters, Miss Natalie Barney; and long ago, in the 18th Century, there lived in it no less romantic a figure than Adrienne Lecouvreur, the famous actress of the Comédie-Française, the devoted friend of Maréchal de Saxe, and the idol of the court and all the fashionable society of the day. Voltaire, in a fine poem on her death, declared himself her "friend, admirer and lover", and her salon was thronged by everybody who was anybody in society or in the arts. There in the garden still stands the charming little (*Continued on page 90*)







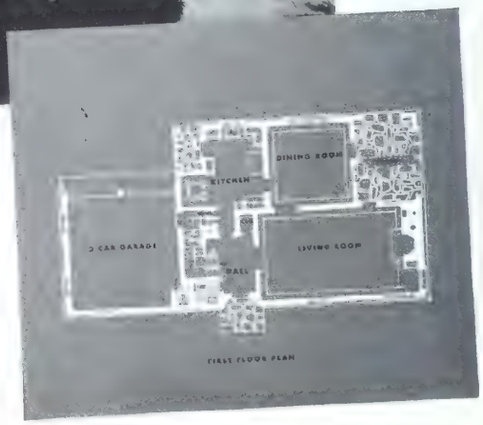
Samuel H. Gottscho

THE brick of the terrace walks and walls has been carried into the garden house shown above, which was designed as a substantial architectural feature in complete harmony with the dignity of its formal surroundings

AT THE upper left is the interior of the brick garden house, with its vista down the terrace walk. The dial and arrow above the doorway are connected with the vane on the roof of the building and show the winds' direction

THE shelter in the Louis Wilputte garden, New Rochelle, N. Y., is of stone roofed with slate. It is a true shelter, open to breeze and light but protecting from rain or hot sun. Clarence Fowler was landscape architect





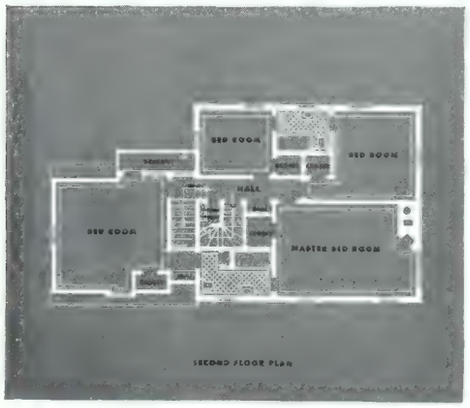
Modern details embellish a small house designed on traditional lines



Julius Gregory, architect

WHILE the general form of Mr. J. William Lewis' residence follows simple, logical traditional lines, the decorative elements—door and window trim, cornices, etc.—have been carried out in a modern fashion. By this combination a distinctive design not too radical a departure from the customary has been achieved. To the right is shown an interesting treatment of a corner between two windows

ALL the first floor space to the left of the entrance is given over to the garage, which has been made an integral part of the house. The living room faces to the road and the dining room looks upon rear lawns and garden. Both dining room and living room open on a porch that may be used as a summer dining room. On the second floor are four bedrooms, one of which is above the garage





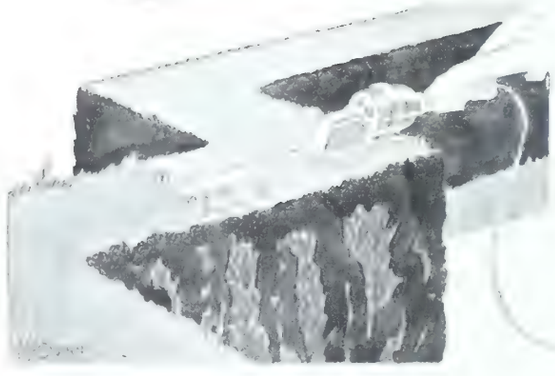
Accessories for gardens and the workers therein













THIS lady believes in comfort without callouses. To begin with, she [illegible] pad, colored mulberry and bound in blue, which measures 18″ to 11″, to protect her knees. Then she has a pair of gloves with steel finger tips, perfectly grand for scratching around in the soil. She got them both from Max Schling

At the same shop she found the solid pewter watering pot, shaped like the Liberty Bell but minus that [illegible] famous crack

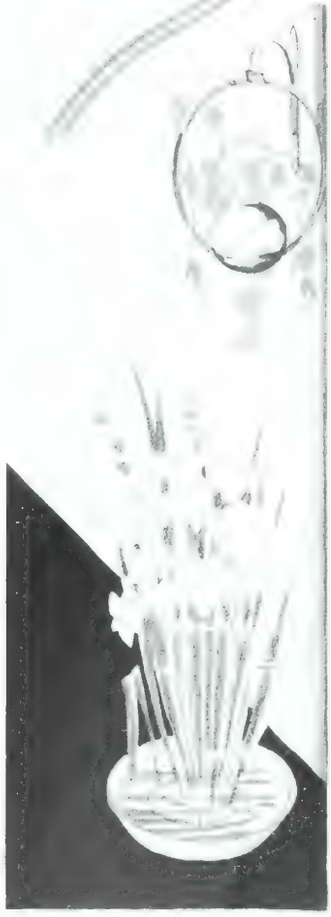


THE [illegible] left has a container 6½" x 6" x 5" and is very fine rose. Green and blue, with gold lined and brass handle. Stumpp & Walter

Gloves, very durable but light and flexible chamois yellow leather, long wrist with adjusting band to keep out the dirt. Stumpp & Walter. Transplanting tongs, 5¼", Schling. The flower shears, 6½" long, have red handles and tassels of green silk and gold. Three New Yorkers







THE oscillating sprinkler above gives coverage to a 50′ or 60′ area. Skinner Irrigation Co. Flexible metal flower holder, 5" to 10" high, with base; iron bracket for bowl, 15" x 15" [illegible] New Yorkers

AND finally, the costume: Blue cotton blouse, like a French wine boy's smock; blue linen overalls; wide brimmed hat of stitched linen—all from Best & Co. Basket and tools [illegible] from Max Schling Stockton





Concrete basins masked with stones

[illegible] The overflow of an old ice pond which was one of the features of a New England property, furnishes the water supply for this effect. The total drop of the water is about twelve feet, being broken en route by little pools. Underneath the stones and planting, the scheme has a foundation of concrete basins which give [illegible] on which stones are laid to make the desired naturalistic effect. Ferns and water-loving plants expertly placed com[illegible]

A NOVEL One need not have a great water supply to make a waterfall. In this instance there was an elevated tank in which the water for the garden was impounded. The tank stood about five feet above the ground. As the overflow was not very great, these concrete pools marked with stone, and into which water trickles even in the dryest seasons, are certainly a more pleasing effect than the old ditch that was there originally. On the opposite page are shown the methods of construction

How to make a garden waterfall

By Henry Dearden

AN ENGINEER who made the statement that modern engineering could imitate anything in nature was asked if it could make a waterfall. What? Recapture that fine careless rapture of water falling and splashing over moss-grown rocks, the play of sunlight and shadow on moving water, the reflections on the little pools, the luxuriant growths of ferns and all the moisture-loving plants? And when, in addition, there are trees and birds about that water then, surely, must engineering bend the knee to Nature and all her cohorts!

As a matter of structural fact, the engineer's reach did not exceed his grasp, for waterfalls by artifice have been made, so cunningly contrived as almost to fool old Mother Nature herself. Nor are they, usually, too difficult for the ambitious gardener to undertake.

If the natural site is suitable, and if a sufficient supply of water is available, then the problem becomes chiefly one of design. The more naturalistic effect may be obtained, of course, if there is a large amount of water available. Yet the same principles which apply to the structure of a small waterfall are applicable to a larger one, the differences being a matter of scale, the amount of the water supply, the size of the rocks—and the bank account involved! The photographs show, certainly, that on a small scale at least, a man-made waterfall may have all the charm of a natural one.

OPINIONS may differ as to what constitutes a suitable site or a sufficient supply of water; and one is sometimes asked to make a rock and water garden when the water available is about as adequate as was Simple Simon's supply when he went for to catch a whale! With care, however, a lovely effect can be created from a very limited supply of water. The waterfall shown at the top of page 44 was constructed by utilizing the overflow from an elevated tank used for watering the garden. The supply was carried underground in a one and one-fourth inch pipe, re-appearing as a small spring bubbling up through the rocks, after which the water tumbles over the main fall which is about five feet in height.

The stream was dammed up in several places to form a series of small pools, instead of leaving a stream bed which would have been practically dry because of the small supply of water. The concrete work used for these dams was carefully hidden with rocks in order to give a naturalistic effect, and by means of the dams several little waterfalls in series were achieved.

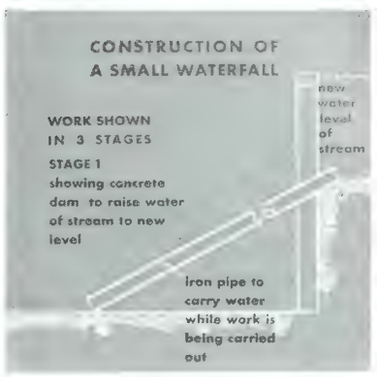
In this particular case, although the water supply was small, the natural setting was perfect, for there was an old dry ditch, dry except in wet weather, the ground sloped sufficiently for successful results, and there were fine trees on each side for background. The sides of the ditch had been supported by half-rotted old railroad ties, but these were removed and supplanted with rocks, irregularly placed, to prevent the water from washing away the banks.

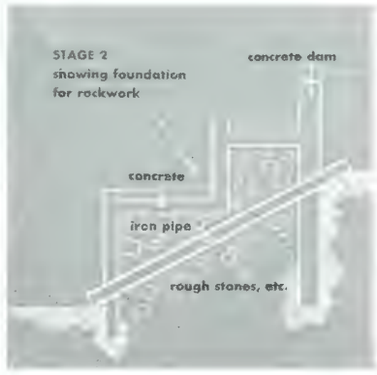
A WATERFALL of somewhat different type may be made by the conversion of an existing overflow from a pond into a realistic fall. The waterfall shown on the bottom of the opposite page utilizes the overflow from an old ice pond. The total height of this waterfall is about twelve feet, in several small leaps, with one or two little pools into which the water splashes on its way down. And the sketch above it shows what was done with the overflow of a swimming pool which was made as naturalistic as possible, because of the rugged background.

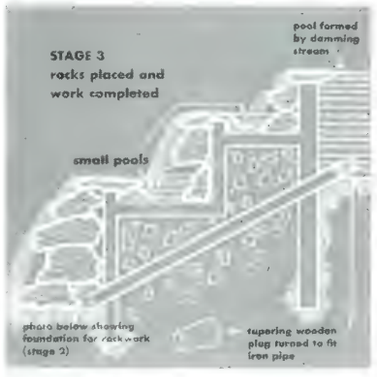
But the easiest way of all to make an artificial waterfall is to dam up a small stream and then create a series of pools by using the overflow of each for a separate waterfall. Here the construction is somewhat different from the two that were described before.

To form these brook dams a concrete wall nine inches thick, extending to a considerable distance on each side of the proposed waterfall, is built. While the concrete work is being constructed it is necessary to divert the water through an iron pipe, five inches in diameter; later, when the work is completed, this is plugged up with a tapering wooden plug previously turned to fit the pipe, and the water diverted to its new course over the waterfall. The "form" for the concrete dam can be constructed of rough boarding, and a trench dug into the banks at the sides and at the bottom, so that there can be no possibility of the water's washing either around or under the completed work. When the concrete is set, the boards are removed and a foundation built in the form of large rough steps, so constructed that small pools can be made part way down the fall. When the foundation is sufficiently hard, the work of laying the rocks can begin.

In the drawing, the details of the work in its three stages are outlined: damming up the stream to obtain sufficient height for the (Continued on page 96)











Fragrance of a rose today and long ago

By Louise B. Wilder

A rose should be fragrant. It is what we unconsciously or unconsciously expect of it and shall go on expecting of it. We cannot dissociate fragrance and the Rose. If you doubt this watch the visitors at any Rose Show bobbing forward automatically before each exhibit to inhale the fragrance, and plainly registering by word or look pleasure or disappointment at the response they receive. Beautiful as is the Rose it is only half appreciated by the eye; the nose has a great part in our delight in it and always has had. In times long gone when the Rose was a simple flower, not eclipsing the dignity of the Lily nor the brawniness of the Tulip, it was yet known as the Queen of Flowers. It was the lovely quality of its perfume, with which no other flower can compete, that conferred upon it this prestige.

Of late there has been a good deal of [illegible] among flower lovers concerning the great number of scentless or almost scentless Roses now in commerce. Some authorities maintain, on the other hand, that there have always been scentless Roses and that there is far from being a preponderance of them at the present time. In any case a trend towards scentlessness in Roses is to be avoided at all costs. I cannot imagine a Rose without perfume enjoying great or prolonged vogue—though the popularity of the chill and soulless Frau Karl Druschki—which might be a Dahlia or a Camellia for all the pleasure, Rose pleasure, its flawless shape and icy purity give to me personally—would seem to prove otherwise. That there is real uneasiness in the gardening world on this score is evinced by the offering in England of such valuable annual awards as the Clay Cup, for the Rose of good form and color possessing in greatest degree the Old Rose fragrance, and the *Daily Mail's* handsome offer of £250 for the best scented new Rose of the year. Certainly such substantial backing of opinion and sentiment should go far toward safeguarding for flower lovers this supreme gift of the Rose. As far as I can learn there has been no such stimulus offered American growers.

But what exactly do we mean by the fragrance of the Rose? We are apt to speak as if one type of perfume were breathed by all the race alike, though this is very far from being the truth. There are, as a matter of fact, many types and degrees of Rose sweetness, as well as a complete lack of perfume in some varieties and a few that are actually unpleasant. It is said that experienced Rosarians are able to identify many kinds of Roses in the dark or with their eyes shut, which of course proves that there is a great diversity in the scents of Roses and that few possess identically the same odor. Indeed, so capricious is the nature of this perfume and so extraordinary the complexity of its forms that it is claimed that not only in the whole list of Roses are there no two that develop the same odor, but that in the same species, and even on the same plant, there are not to be found two flowers exactly identical as to odor. And yet further "that it is a fact well known among Rose growers that at different times in the day or of its development, an individual flower will emit a different perfume. . ."

Warmth and moisture are important factors in Rose fragrance, though the presence or absence of either cannot be said to determine whether or not a specific variety is to be classed as fragrant, "but warmth does decide the rapidity with which the essential oil, which is the cause of scent, is generated in the cells of the petals and given off to the air". It will be noticed that on cool days the perfume of Roses is perceptibly less strong than on warm ones and it is well known that Roses blooming under glass where a genial temperature is maintained, or brought into a warm room, give off more perfume than those growing in the open air. A still, moist and mild atmosphere is the most favorable to the distillation of fragrance in any flower.

In periods of extreme heat, however, especially when accompanied by the droughts to which our climate is prone, Roses become appreciably less fragrant, but it has been noticed on the other hand that before a storm or atmospheric disturbance the sweet odor is perceptibly greater. Certain Roses give off their perfume to the air with greater facility than others; the Hybrid Bourbon, Gruss an Teplitz, is one that in my garden fills all its neighborhood with entrancing sweetness. Certain Roses, too, seem to be more fragrant in the autumn than in the summer. "And indeed", wrote Bacon, "the Nouember Rose is the sweetest, hauing beene less exhaled by the sun". And does it not seem to all of us that the last Rose, "wresting June from out the snows", is the sweetest of the year? But this I dare say must be attributed more to sentiment and fancy than to sober fact.

In Bulgaria, I read, the flowers grown for the distillation of the attar are gathered before they begin to open, a little before sunrise. Were they gathered later in the day when fully expanded by the heat, the perfume would be much stronger but not so sweet and the resulting essence of a poorer quality.

What is meant by the pure odor of Roses and sometimes designated as "the true old Rose scent" is the property of that famous trinity that once constituted all the Rose wealth of the western gardening world—*Rosa* (*Continued on page* 108)











AMONG the notably fragrant Roses is Golden Dawn, shown on the opposite page. It is a Hybrid Tea whose name well describes its color. The one immediately to the left is the famous old American Beauty, still one of the sweetest of all. Just below it is Maréchal Niel, a Noisette variety which has been called the finest yellow Rose in the world. At the right, below, is the blossom of Château de Clos Vougeot, an intensely fragrant member of the Hybrid Tea group. At the bottom of the page, on the left, this Hybrid Tea tribe is again represented by Etoile de Hollande, brilliant red without any of the bluish cast which mars so many Roses of this color. Next to it is Friedrichsruh, dark wine red and intensely fragrant. They are all outstanding choices for those to whom the fragrance of a Rose is of prime importance

A house that grows with the years

The first of four articles describing a home adaptable to changing needs

Before it began to exist, every man likes the dream that the home he founds will continue on, that having made an abiding place for himself, his wife and his children, it will stand, improve in value and grow as the years pass across it.

There was a time when this dream could expect little assurance of attainment. Since the introduction of zoning laws and the rise of restrictions in real estate developments, a man can now have every reason to believe that the home he builds will be a permanent investment. He can select a community at the beginning of his married life with reasonable assurance that the neighborhood will remain good or not go his middle years. His home and his family can grow with it.

Visualize a young married couple through the first ten or fifteen years. Their life together often begins with love in a cottage, but as income, the household purse and family increase, the cottage is abandoned for a larger home. This nomadic habit of Americans, this moving the family about from house to house, may, in a grave measure, endanger the stability of the home. The successful home follows when a young couple first select a good community to settle in, and put down their roots like a locust tree. The family that moves about merely dwells in houses; those who stay in one spot make a home.

Because it is consumed with a zeal for the home and for the establishment of more and more of them, House & Garden presents "The House That Grows". It presupposes that the young couple have a piece of land 100′ x 150′ or larger in an enlightened community whose Chamber of Commerce and civic authorities see to it that the residential district is protected by zoning laws and building restrictions. For them it designs, with the aid of Leigh French, a famous New York architect, a house that can be expanded as the family increases.

The architecture selected is reminiscent of the [illegible] style that has existed for several centuries in France and finds itself perfectly at home in the American suburb. It is especially suitable for smaller houses and it has a simplicity of line and mass of which one need never grow tired. It is not a faddy style that will go out of fashion in a short time.

We begin with the main body of the house, a two-story structure 40′ x 24′, without the bays. Its front façade is broken by the ornamental doorway, two shuttered windows and two dormers that drop down into the eaves. The corners are finished with quoins and on each side rises a chimney, giving the design balance. The rear façade is much different in design. Here are two three-windowed bays facing on the garden, with the dormers repeated above them.



A glance at the plans shows the reason for this—the house has turned its back to the street, its living rooms face the garden. Only the entrance and the service are on the street side. The two front windows light the hall and kitchen; the two bay windows in the rear light the living room and dining room. Two closets are provided on this floor. Going upstairs, we find two bedrooms and a communicating bath with closets for each room. A maid's chamber, bath and closet are provided and along the hall are two other closets. Thus the upstairs equipment is a master's bedroom, a guest chamber, which soon enough can be turned into a nursery, and room for one servant. The house begins with the essential amenities that make for comfortable modern living.

In five, ten or fifteen years, the family having increased and the purse expanded, the house also can grow. In the simplest manner it sprouts two wings of equal length that continue the balanced style of the original house. The main structure keeps its same roof line and the two wings have a lower ridge, giving the house a long, low effect. Since these wings are set back from the front line of the main structure and then advance at the ends, there is a nice play of light and shadow on both façades.

The right wing houses the garage and an arched opening that leads to a passage between the kitchen and the garage; on the other side, as the plans show, a passage leads from the living room to a library, with a flower room and lavatory on the garden side. In addition to these changes, the first floor in the enlarged house shows the old kitchen turned into a pantry and a service stairs introduced. A much larger kitchen is placed between the dining room and the garage.

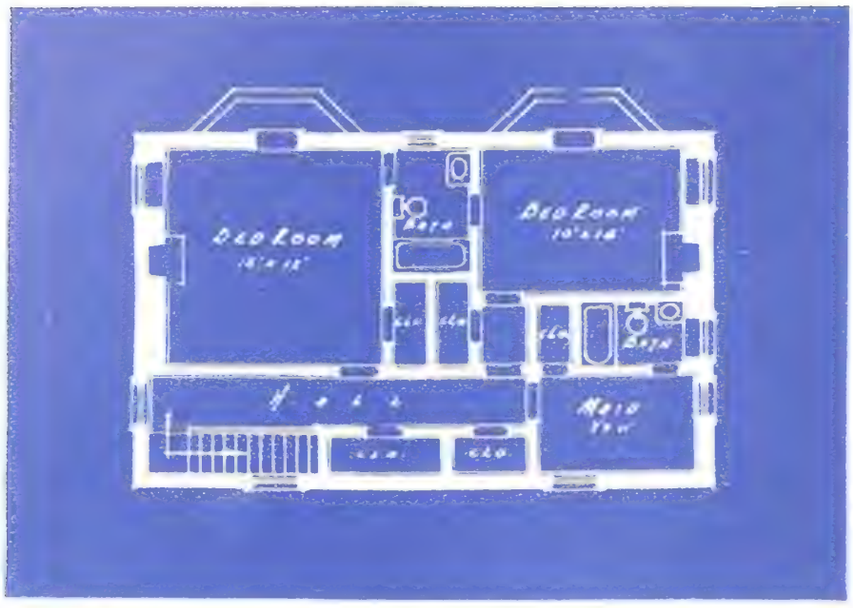
On the second floor what was the maid's room is now occupied by the service stairs and the extension of the hall. The old guest room is enlarged into a nursery by moving the bathroom into the wing. Provision is made for two servants' rooms with bath. At the other end of this wing we find a spare room and bath with closets under the eaves.

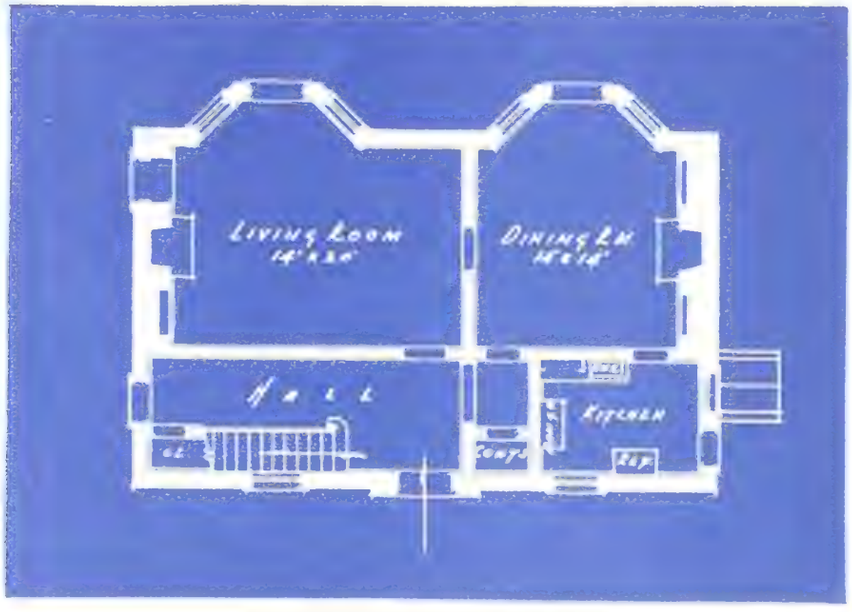
This house can be built of several kinds of materials—common brick whitewashed, [illegible] whitewashed, stucco on hollow tile or expanded metal, and finally shiplap, flat



Reminiscent of the French petit manoir

and ideally planned for later additions





material the corner quoins would also be of houses. The roof is of shingle tile in a red- stone and the gutters copper or lead-coated copper. The trim around the entrance either wood or metal casements in the would be used for steps and paving.

tinted pink with barn red trim or even faded

beams. The heating system can be vapor or Throughout the house the floors would be oak, with linoleum tile in kitchen, pantry hard white plaster. Both the living room and dining room call for a wood cornice and a chair rail; the library is designed to be paneled and the bookcases tiled up to the required height and can be painted above that line or papered with one of the new waterproof wall coverings.

The grounds present an interesting problem in gradual development. In order to assure privacy the entire property is enclosed.

equately done with picturesque woven French fencing. The entrance driveway that curves around to the front door would not be affected by the type of material used. Later on, when the purse permits, this fence could be supplanted with a brick or stucco wall finished with the same tiling as the roof, or it might be built of wood set up in dignified architectural panels, a custom to be found in Georgian houses in New England and some houses on the Continent. Except for trees and clumps of shrubbery placed at accent intervals there is very little planting in the front area. Two cast iron vases filled with evergreens stand each side of the entrance door. The rest is lawn.

As first designed, the rear of the house is finished with a small paved terrace; this is extended the entire length when the house is completed. Prior to that time the garage, a temporary structure, might stand at the rear of the property and be reached by a drive directly from the street entrance. With the new wing added, the garage becomes an integral part of the house, and behind it are a drying yard and a vegetable garden. What was the old garage is turned into a tool house, and is balanced, on the other corner of the property, by a tea house of identical size and design. In the finished scheme each of these is reached by a paved walk beneath a grape arbor built of cedar posts. The paving is also extended around the rear between the two garden structures and on the back wall is a fountain that plays into a semi-circular basin.

The middle area of the garden is a flat square of turf relieved in the center by a circular Lily pond rimmed with stone slabs. This *tapis vert* is edged with low clipped Box or Japanese Yew. On each side, between this edging and the arbors and facing down the paved terrace at the rear of the house, is a perennial border. The plan suggests one step down from the terrace to the level of the lawn, a desirable feature it the lay of the land makes this possible, otherwise it might incur expensive excavation and grading.

These flower borders offer enough advantages for gardening to a busy husband and wife. While the backbone of the planting would be perennials that would stay in position and increase from year to year, there would still be room for slipping in shoals of bulbs and annuals to follow them.

As will be noted in the illustrations of the rear of the completed house, one wing is finished with crisscross trelliage and the little door leads to the garden room where flower arrangements can be made. The

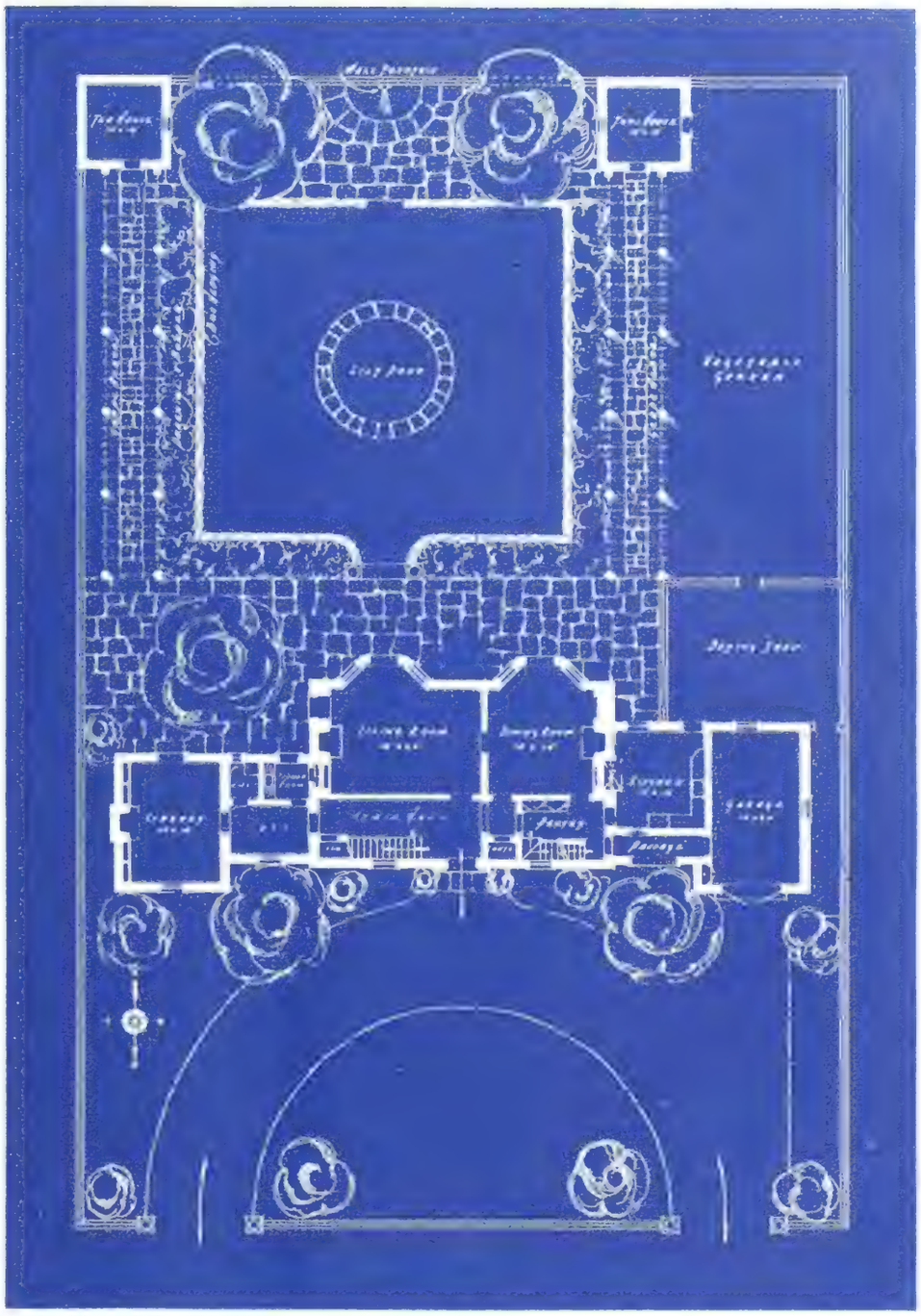
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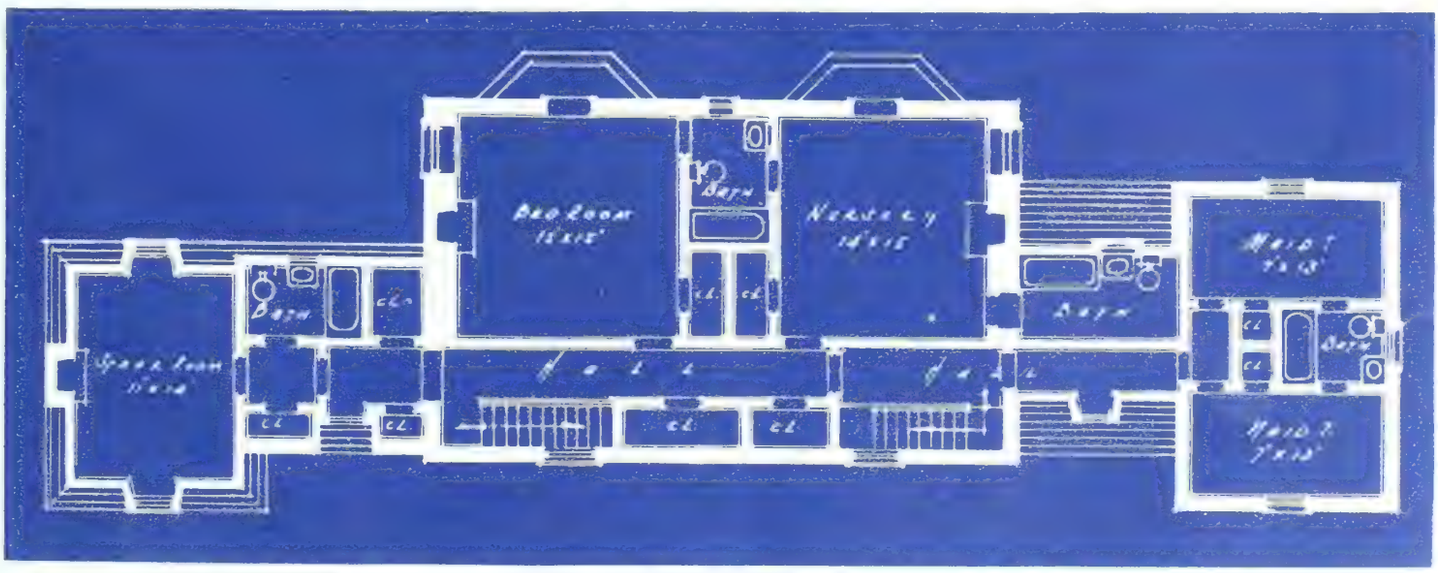
Plans of house and plot in first and final stages

ON THE opposite page are the first and second floor plans of the original unit, consisting of living room, dining room, two bedrooms, kitchen, hall and maid's room, with two baths. Hall and kitchen, on the street side, are lighted by windows flanking the entrance; the other rooms overlook the lawn and garden at the rear. Ample closet space is provided for each of the upstairs rooms

FOR the sake of privacy, the entire property is enclosed—at first with French woven wood fencing, and later with walls of brick, stucco or wood panels. Along the right side, behind the house, are located the drying yard and the vegetable garden. The latter is separated from the lawn by an arbor, a walk to the tool house and a flower border, which are repeated on the opposite side

BELOW is shown the layout of the second floor as it will be in its final expanded form. The smaller bedroom has become a nursery and its bath has been transferred to the wing. Extension of the hall at each end allows access to the two maids' rooms and a spare room with bath. An additional set of stairs will be built to connect the pantry and the servants' quarters over the garage





When the years have passed and space demands increase

slightly from the front line of the main





Designed for House & Garden by Leigh French, architect

Accent points to key up the garden's loveliness





THE Madonna of the Garden, 21" high and 8" wide, gives an unusual note of calm repose to a small enclosed planting scheme. Designed by Gaston Michell

THIS pedestal bird bath of light grey Pompeian stone, 30" high and 24" across the basin, will look well when set among any colorful flowers. Erkins Studios

FOR a garden's centre there is this composition stone toadstool, 29" wide and 24" high, a bird perch with a small receptacle for water. It is from Mulholland's

THIS sundial with a figure bending over it is of lead, designed to be placed directly on the ground. 14½" high, 21½" wide. From Louis L. Allen







ANOTHER ornamental bird bath is of lead in a shell design that measures 15″ across and 6″ high. It stands on a low, substantial base. Louis L. Allen



GAZING globes always take an honored place in the garden. This 10″ one on a light stone gray pedestal is 38″ in total height. The Galloway Terra-Cotta Co.



BIRD baths below: Left, lead, 16″ x 4½″, with jars; right, lead, 21″ x 5″; W. M. Jackson. Center, terra-cotta, flower design, 21″ x 3″. Potash-Marl

THE shallow bird bath at the right, a copy of an ancient Mayan piece is of grayish cast stone. It measures 12″ high and 23″ long. From Arden Studios Inc.





A pink-walled Biedermeier upstairs hall

Hardware for the modern home

Good equipment should do more than keep out the intruder • By Arthur Bates Lincoln

In the modern small home hardware is judged by increasingly severe standards. That it will keep out undesirable visitors is taken for granted, but the times when that may be necessary are usually very few and far between. Hardware must meet general, everyday demands, it must gratify the esthetic sense, and satisfy the demand for convenience, for operation without trouble or annoyance, and for permanence.

In the first place, hardware is an important part of the embellishment of the entrance door, that part of the house which first meets the eye of each new visitor upon whom you wish to make a favorable impression. Again, the hardware you buy today, you hope will still be giving satisfactory service in the day of your children's children. The material of which this equipment is made must, therefore, be enduring, not subject to early depreciation or failure under adverse weather conditions.

Besides appealing to the esthetic sense, the desire for permanence and for protection, modern hardware should contribute to the comfort of living. What housewife is anxious to carry in her pocketbook a ring full of keys when one single key is all she need carry? Modern cylinder locks can be master keyed so that one key will operate any number of locks.

All brass hardware appears alike to the casual glance of an average homebuilder. Looking underneath the surface it may be plated on steel or wrought iron, or it may be of solid brass or bronze. The latter are the enduring materials, but when selecting hardware for the inexpensive home there is no reason for spurning steel and iron where its use is practicable without hazard to permanence. Plated finishes give good service when not exposed to excessive wear or to the weather. They should not be selected for doorknobs or outside use.

The first article of hardware needed in house construction is that to which the home owner gives but little thought. It is the hinge or butt by which the door is hung. Hinges, theoretically, are fastened to the face of the door by straps. Butts are more commonly used and are so called because they are fastened to the butt edge of the door and to the jamb. When the door is closed these butts are invisible from the outside. Plated steel butts are good for general use on interior doors in the small home, solid brass being used where a door must stand exposure to the weather.

There is a considerable difference of opinion as to the number of butts which should be placed on a door. For the average small home a pair is considered sufficient for interior doors, two 3½ by 3½ inch butts being used for doors not exceeding 2 feet, 8 inches in width. The main function of the third butt, placed in the center, is to hold the door from springing and warping. Being thicker and heavier, exterior doors should always be hung on three butts, and it is customary to so hang French doors. Door butts are seldom in evidence, and are selected first for service, secondly for appearance, their function being to provide for easy swinging of the door.

There are other types of hinges, one found in common use being the floor hinge for the double swinging of a door. This hinge is built entirely into the floor below the door, with a pin at the head of the opening to hold the top of the door in place. Its purpose is to allow the door to swing in either direction, a convenience which has led to its almost universal acceptance on doors leading into the dining room from the service portion of the house.

On the opposite edge of the door from the butts is the latch. While the butts hold the door continually close to the jamb, the latch is intended to hold it only when the door is closed, releasing the door to swing open when someone desires to pass through the opening. With the latch is included the lock, by means of which the door may be secured so that it cannot be opened by the knob. For ordinary usage a knob turns the latch while a key operates the lock. In certain circumstances, such as in bathrooms, a permanent thumb-latch rather than a key is preferred to secure the door.

The earliest locks were fastened to the face of the door, and these are known today as rim locks. They are still used in houses closely following early Colonial precedent, but the familiar lock of this type in general use today is the night latch.

The usual lock for interior doors is the mortise lock which is set into the door with the latch and dead bolt showing on the edge and a knob and keyhole on each side. While most mortise locks look alike, there is a difference in quality which it is well to investigate. These locks may be equipped with either one or three tumblers, and the latter offer much the greater security. It is not at all unusual in cheap installations of one-tumbler locks in speculative houses to find that any one of the keys will operate all the interior door locks.

The cylinder type lock for interior doors has been introduced as an improvement over the mortise lock, the cylinder fitting into a hole drilled into the stile of the door, eliminating the necessity for mortising out for the lock. The lock is operated by a push button in the knob or in the rose above it. These locks are adjustable to compensate for the shrinking or swelling of doors after installation; they possess quick, positive latch action, and wind-rattle common to doors equipped with inadequate latch bolts is eliminated. The knobs will not pull off or turn on their spindles, neither will they bind or wobble. Extra keyhole hardware is eliminated by placing the keyhole in the center of the knob on doors where a key is considered desirable.

Home owners have a tendency to provide locks for many places where they will never need to use them. In a private home inside doors are seldom kept locked. Doors are primarily intended to assure privacy and shutting them provides that in the average family. Where there are small children to whom a closed door is something to open, or where guests are in the house, a simple latch lock will keep the door closed after a push on the button. Constant assurance of privacy is desirable for the bathroom, but here, in case of emergency or accident to the occupant of the room, a means of quickly entering the room from outside by releasing the lock is an advisable measure. Very few closets are ever locked; even at Christmas time; the majority of them need only a latch that will keep them closed against dust.

The cylinder lock is the favorite on exterior doors because it offers very distinct advantages over the cheaper mortise type. It is not possible (*Continued on page 84*)

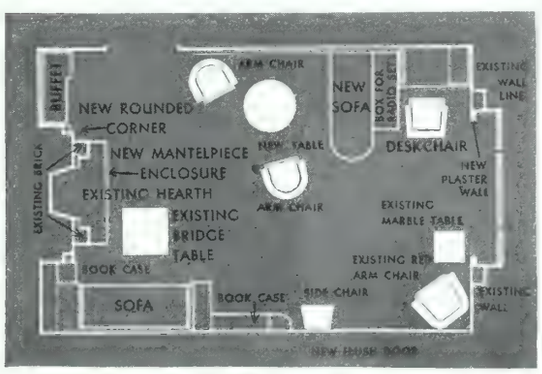


Spaciousness is gained for an apartment by furniture in the modern style

A SPACIOUS atmosphere is created in this living room by the use of light and dark effects. Walls in tones of beige make an interesting background for the dark woods of the furniture and severe fireplace surround. The New York apartment of Robert Heller



AN unusual blending of colors has been achieved in this interior, from the shaded beige of the walls through the warm hennas and browns of the hangings, down to the rich mahogany tone of the carpet. (Right) An interesting arrangement of a false plaster wall breaks into the room to form a back for the sofa as well as a niche for the Brazilian rosewood desk. A plan of the room is given below. Furniture designed and executed by Robert Heller, Inc.





For successful outdoor dining

Features that lend added zest to open-air meals • By Elizabeth Hallam Bohn

Entertaining on small scale outdoors should be unostentatious and as friendly as the spirit of the meal itself. The new rustic furniture with natural yet smooth frames and woven seats is smart in design, rugged in finish and comfortable withal —ideal for dining use. A waxed surface protects table-tops from either weather or hot dishes and the outfit will pass unscathed through the season's showers.

At the other end of the scale is the charming furniture of pale green iron tracery for the more formally appointed setting. A long refectory table with glass top is especially cool and inviting. Chairs to accompany it are comfortable as well as graceful. Needless to say, choosing from the wide range of fine iron designs, only the simpler types are practical. The leaf, flower and scroll decorations must be left for less mundane pieces. For no one wants to dine, however well, at the expense of torn clothing.

In order that harmony and repose accompany the meal, comfort to the eye is the first essential. For digestive and visual nerves are closely associated. There must be no trying glare reflected either from glittering china or a too light background. For example—a rather stark white Colonial dining porch, recently seen, was softened without losing any of its character by painting walls and ceiling a soft green. One of the lovely modern grass rugs in harmonizing tone absorbed the ardent light rays that come streaming in to vitalize the breakfast hour.

Awnings now offered in so many fascinating patterns are invaluable in mitigating the glare on the dining porch and these may now be had with a small quiet pattern on the under side of the fabric. Manufacturers advise that these shields be allowed to remain down during showers as well as sunshine. For, in this way, dust is washed from the surface instead of being beaten into the creases made when the awning is raised. Wind, not rain, is the awning's chief enemy. The improved Venetian blind is another successful means of subduing too strong light on the dining table.

For garden meals, where tree shade—the most grateful of all—is not available, come great umbrellas, their colorful tops hinged to follow the path of the sun. A more modest development is an ingenious clamp which attaches securely to chair or table. In its sturdy grip it holds a sunshade of any kind or size, tilting North, South, East or West as necessity dictates.

In place of the brilliant sheen of polished crystal and hard glazed porcelain, soft toned pottery will blend with the colors of the flower centerpiece so effectively arranged in one of the new spreading holders. The neutral linens form a satisfactory background for the daytime meal.

Straight from oven to table come intriguing casseroles, marmites, fish and soufflé dishes in French oven-proof china. Such pieces not only strike the keynote for the garden table setting, with their soft brown tones and attractive shapes, but have, in addition, the practical virtue of keeping their contents hot for an amazing length of time. Here, too, the true British teapot plays a major rôle, lolling nonchalantly on its back while the tea steeps, and straightening up to keep the liquid away from the leaves after the tea is brewed.

As the sun's rays lengthen, the out of door meal assumes a slightly more sophisticated dress. Covered dishes of Royal Worcester in true floral patterns and colorings come unscathed from the oven to carry out breath-taking color schemes with garden flowers, tinted damask and candles, safe in their glass chimneys. To close such a meal, a glass frog or turtle rides in atop a flower petal floating in the finger bowl.

While planning in the kitchen so that foods are not set up before the meal is served is all-important, the manufacturers have evolved many ingenious first aids to assure serving at the intended temperature. Electric outlets on the porch are almost a necessity and their installation is a matter of slight trouble or expense. Where these are present, one of the most successful adjuncts to porch meals is a graceful cabinet which may be finished to match the other furnishings. Its top turns back on a gate-leg, making a commodious serving table and revealing a roomy compartment with a porcelain tray forming the bottom. Under this is a drawer which holds silver or linen. Within the cabinet are two electric outlets. By using double plugs, the morning coffee, toast, cereal and eggs can all be prepared at once. Or on Sunday night the electric sandwich toaster can be in action while the waffles brown and the coffee percolates. A complete meal can even be prepared through the use of the insulated combination cooker which not only cooks several foods at once but keeps them hot afterward.

One ingenious family, converted to porch dining in any weather, installed a small supplementary electric refrigerator, decorated to match the cabinet, so that any member of the family could prepare a delightful repast in the shortest possible time.

For meals served farther from the base of supplies, come the various types of tea wagon. The closed model can even hold the combination cooker, which will keep a whole meal hot for hours or retain the right temperature for the ice cream it has previously frozen. Service can also be facilitated by a large tray which at the pressure of the wrist while carrying develops four slender legs and becomes a serving table.

It's a wise hostess who considers the one real drawback to dining in the garden or on the unscreened porch. A more irritating accompaniment to a satisfying dinner than the mosquito might have been invented. But it never was. One ankle bitten household solved this problem by installing high up under the dining table, a container of paradichlorbenzene. This white crystalline substance is most unpleasant to any insects though harmless to man in any ordinary concentration. Being heavier than air, it sinks downward, gassing the mosquitoes hidden in the grass.

Above board, foods are protected by the covers on the serving dishes, the glass bells of France which make charming covers for individual service, while filet or fabric protectors guard rolls or cake.

Additional information [illegible] in this article [illegible] furnish[illegible] Lexington [illegible] City.



Nyholm & Lincoln

Swedish glass, lustrous silver, with Rodier net for a white, bright table

The formal dinner table above, covered in an embroidered net after a Rodier design, is further enhanced by delicate Orrefors glass in a sun, moon and star pattern and silver finished in palladiant—a process giving a protective and non-tarnishable finish while retaining the lovely luster of the metal. The silver is from The International Silver Company

More gardens to see when traveling abroad

By Helen Morgenthau Fox

This [illegible] began in the May number of House & [illegible] their respective countries.



The Japanese [illegible] compiled from material supplied by Prof. Walter D. Pagano.

YOKOHAMA

• The Bluff: Interesting little houses, pretty shaded streets with many flowers, magnificent views, occasional glimpses of Fujiyama. [illegible] Garden of Honmoku [illegible] Yamashita. A unique garden, property of Mr. Hara. Especially noted for its Plum blossoms. [illegible] Yokohama Nurseries, at 21 Nakamuracho, on the Bluff: Premier nursery of Japan, interesting collections (Chrysanthemums, Iris, Peonies, Wisteria, [illegible]).

TOKYO

• Hibiya Park, Kojimachi Ward: About 44 acres. Famous for its [illegible] Azalea in April and May and Chrysanthemums in the Autumn. Occupies site of the Lord Ii's Castle. Hamacho Ward: Large but lacks unity. The little garden of the Benten Shrine at [illegible] is typical Japanese. Shibaraku.

• [illegible] with extensive formal planting and abundant water. Noted for fine double flowering Cherries and Irises.

• Shiba: [illegible] Buddhist temples in Tokyo are:

• [illegible] in Tokyo. Shrine buildings and grounds are [illegible] Japanese. [illegible] den of the Inner Shrine not ordinarily open. [illegible] Yasukuni Shrine, Kojimachi Ward: [illegible]

• [illegible] Splendid display of Cherry Blossoms. [illegible] Wisteria in late April and early May. High arched drum bridge. One-quarter mile east are famous Kameido Plum gardens [illegible] lovely when flowering in March.

• Imperial Palace Gardens: The [illegible] of the city, were built by the Tokugawa Shogunate in feudal style. Castle wall and moat, with [illegible] Pine trees, is highly picturesque. [illegible] Owned by Crown Prince. Imperial Chrysanthemum garden party is held in nearby Aoyama Palace grounds. Hama-kikyo Palace: Overlooking Tokyo Bay. Famous Cherry blossoms.

• The Korakuen (a private garden), Korshikawa Ward: The old compound of Tokyo arsenal: once the most famous garden in Tokyo. Originally built by Tokudaijii, famous landscape designer, in 1625. Get card of admission from Army Department, Japanese Tourist Bureau or American Embassy.

OTHER GARDENS

• Kanayawa Ishikawa Prefecture: 202 miles by rail from Tokyo. 15 minutes from railroad station is Kenroku-koen, generally considered by Japanese as one of the three most beautiful gardens in Japan. It is a [illegible] planting and abundant water.

• Okayama, Okayama Prefecture: On San-yo main line railroad from Kobe Koraku-en, 1 mile from R.R. station, expresses historical, religious and poetical sentiments of Japanese. 22 acres in traditional manner but simpler than usual. Wide lawns featured. Laid out in 1786 by Lord Ikeda, Daimyo of the Province. Also Shorinji garden, by Tsuda Nagutuda. Takamatso, Kagawa Prefecture, Island of Shikoku: By daily steamer from Kobe, also by rail and ferry via Uno. Ritsurin Park (Chestnut [illegible] Gardens. One of Japan's [illegible] closely follows the historic Chinese [illegible] garden.

• Hiroshima [illegible]

continued on page 100



• Botanic Gardens: At Hotting [illegible] Donau: Hetzendorf; Steiermark; the University in Vienna.

• Hellbrunn: At Salzberg—The Bishop's garden.

• [illegible] Vienna.

• In Vienna: Luxenburg Garden, Belvedere Garden; Schwarzenberg Garden; Schoenbrunn Garden; Schloss Garden at Gmundun, natural[illegible] Orchard[illegible] are fine experiments in working-[illegible] houses and gardens.



It would take several visits to see all the Italian gardens. For one who would study them intensively, information can be obtained from the American Academy at Rome, and from the Italo-American Society in New York. Italy has been aware of its fine gardens so long that Baedecker lists most of them. Mrs. Aubry Le Blond's *The Old Gardens of Italy. How to Visit Them* is a little out of date but excellent, and so is Miss Rose Nichols' *Italian Pleasure Gardens*. Our lists have been made from a long list sent by Signorina Gabriella Ferette, who knows them all very well; from ones sent from the American Academy in Rome; from a list published by Mr. Cram in House & Garden; and from our own visits.

BOTANICAL GARDENS

• Genova: R. Orto Botanico, Corso Dogali, I. LaMortola, Ventimiglia: Hanbury Gardens. Modena: R. Instituto Botanico. Pavia: Orto Botanico della Università. Palermo, Sicilia: R. Giardino Botanico e Coloniale. Pisa: Orto Botanico della Università. Parma: R. Insituto e Orto Botanico della Università, Via Farini, 174. Rome: Instituto e Orto Botanico, Via Milano, 41. Trieste: Civio Orto Botanico. Siena: Instituto Botanico della Università. Instituto e Orto Botanico, Università di Padova. Torino: Orto Botanico della Università.

PIEMONTE

• Turin: Garden of the Royal Palace. Dates from 15[illegible] but has been altered several times. Permission difficult to obtain. Stupinigi: Stupinigi Castle, hunting lodge of the dukes of Savoy. The whole is imposing, but very little remains of the garden. 10 km. from Turin. Venaria Reale: Regia Mandria Building dates from 1713. Extensive hunting grounds. Private property. Aglie: Castello Reale. Beautiful park. For permission apply on the spot to manager of ducal estate. Racconigi: Castello Reale (important). Park dates from 1755. Made out from designs by Le Nôtre, but considerably altered in 19th Century. Apply for permission.

LOMBARDY AND LAKES

• Lago Maggiore (Intra): Villa Barbo. Fine garden. Open on week

days. Villa S. Remigio (important). Beautiful Renaissance garden. Fine panorama. Open on week days. Isole Borromee: Isola Madre (important). Luxurious vegetation. Big Rhododendrons. Very picturesque. Open every day. Isola Bella (important). Garden consisting of 10 terraces. Beautiful Camellias, Magnolias, Lemon-trees, etc. Delightful view-points. Open every day. Stresa: Villa Pallavicino. Beautiful park. Temporarily closed.

• Lago di Como (Como): Palazzo Giovio. Very small town garden, charming gates of wrought iron. Public museum. Villa Olmo, late Visconti (1780). Open every day. Cernobbio: Villa d'Este (important). Built in 1500 by Cardinal Gallio. Extensive park with rich vegetation. Waterworks. Lenno: Villa Argonata on the point of Balbianello. Built in 1790. Small villa picturesquely situated with pretty little harbor. Apply on the spot for information respecting visiting days.

• Lago di Como: Villa Carlotta (very important). Built in 1747. Very rich vegetation. Should be visited in May when Azaleas and Rhododendrons are in full bloom. Open every day. Bellagio Villa Serbelloni (important). The park is re- (*Continued on page* 100)



DENMARK, NORWAY, AND SWEDEN

• Botanic Gardens: Universitetets Botaniske Have, Copenhagen. Botaniske Have, Oslo. Botaniska Trädgården, Gothenburg. Botaniska Trädgården, University of Lund, Lund. Bergianska Botaniska Trädgården, Bergelund, Stockholm. Universitetets Botaniska Trädgård, Upsala.

• Other Gardens: (Denmark) Villa Hvidora on the Baltic, modern (19th Century) gardens; Frederiksborg Castle, old gardens.

• (Sweden) Garden of Professor Carl Milles on the Island of Lidingön, near Stockholm—modern, fine sculpture, ask for permission; Fredensborg Castle, 4 miles from Frederiksborg—18th Century.

• (Norway) National open air museum located just outside Oslo; Kongs-gaard, a model farm that is occasionally occupied by the Royal family.



I AM INDEBTED to Camillo Schneider, of *Gartenschönheit,* and Dr. Renz of the German Tourist Bureau in New York, for these lists. The Berlin Horticultural Festival will take place June 13-16, 1931.

• Potsdam, near Berlin: The Schloss park Paretz, public, and Park Neubabelsberg, laid out by Lermé. Also Sans Souci. Trial gardens at Barnini, of Herr Karl Foerster, connected with that handsomest of all garden magazines, *Gartenschönheit.*

• Gardens belonging to the city: Tiergarten, public; Sachsenplatz; Jungfernheude; Victoria Park; Schiller Park; Goethe Park; Humboldt Hain; Friedrichshain; Monbijou.

• In Silesia, two hours by train from Berlin, the famous park created by Prince Pückler at Muskau, belonging to Count Arnin, is open. Also the castle of Prinz Pless at Fürstenstein, near Bad Salzbrunn, with interesting gardens and glass houses.

• Dresden: The Gross Garten, the Zwinger Garten. Near Dresden, the castle of Pillnitz, on the Elbe, with a park. Near Pirna, the castle Gross-Sedlitz with old gardens in the French style. Dresden Neustedt, gardens of Japanese Palace, public.

• Munich: Park in old style of famous castle at Nymphenburg, admission one mark. Next to it is the best botanical garden in Germany, called Muenchen-Nymphenburg. Old park with castle at Schleissheim, called Neues Schloss, open. Englisher Garten, public park.

• Along the Rhine: Public gardens at Düsseldorf; public gardens at Cologne, which is famous for its city gardens. Wiesbaden has nice gardens and so has Frankfurt (Palmengarten and others). Heidelberg, the Schlossgarten. On Swiss frontier at Bodensee is the Isle of Mainu with fine paintings, now belonging to Crown Prince of Sweden—visitors only admitted with a guide. Wilbehustel, near Hofgeiersmar-Cassel, is a Rokokoschloss park, entrance free. Near Cassel is Wilhelmshöhe, entrance free, a Baroque park, and Karlsane, large wooded park, open.

• Near Hanover (at Braunschweig) are the old gardens of Herrenhausen, open, and others are the Theatre Park and Museum Park, public and Hollands Garten, and in Hanover are the Grosser Garten, Berg-Garten, Georgen-Garten, and Welfen-Garten, all public.

• Nurseries: Schmitt in Erfurt; Heineman in Erfurt.

BOTANICAL GARDENS

• Garden and Museum at König Luisa Str. 6-8, Berlin-Dahlem. Muenchen-Nymphenburg. Duisburg. Koeln. Bonn. Frankfurt, Botanic Garden of the University. Karlsruhe. Heidelberg, at the University. Freiburg. Tuebingen. Stuttgart. Wuerzburg. Erlangen, Botanic Garden at the University. Koenigsberg, at the University. Greifswald. Halle. Braunschweig. Rostock. Kiel. Hamburg. Muenster. Jena. Goettingen. Danzig. Darmstadt. Hanover. Leipzig. Dresden. Breslau. Giessen. Botanic Garden at Bremen I. Botanic School Garden of the city, Rothenditmolder Str. 14, Cassel. Marburg, at the University. Aachen. Botanic Garden of the University at Tuebingen, Wurttemberg. Botanic Garden at Goettingen. Botanic Garden of the Forstlichen Hochschule, Haun Munden, Werraweg I. Garden School at Proskan, Oberschlesien.

GARDENS AND PARKS

• Schloss Bemath, near Koeln, open free. Schloss Bruehl, near Bonn, open free. Schloss (*Continued on page* 98)



• In Switzerland the window and porch boxes are especially lovely and in certain sections the rock plants are, of course, famous. In May and April the whole country on the north shore of Lake Geneva is a-bloom with rock plants and late in May up around Caux, high above the lake, is the Festival of the Narcissus, when all the Alpine meadows are said to be snowy with these blossoms. In September the meadows lower down are lavender with autumn flowering Crocus.

• Botanic Gardens: At Basel, at Geneva (where de Candolle worked), Lausanne, Bern, and in Zurich in connection with the University.

• Near Geneva: The garden of Voltaire at Ferny. Baron de Rothschild's garden—naturalistic—tickets may be obtained at Geneva hotels. The famous rock garden of Monsieur Henri Correvon at Floraire, just outside of Geneva.



CZECHOSLOVAKIA

• Czechoslovakia was a cultural center in the Renaissance and there are some fine old palaces and gardens of that period. The garden of Count Silva Taronca at Pruhonice near Prague now belongs to the state. It is the largest park on the continent and the Count is always happy to show it to American visitors of distinction. It is carried out in the naturalistic style of gardening and on any count is well worth going to see.

• Botanic Gardens: Mestaka Botanicka Skolni zahrada. Brno. Botanischen Garten der Deutschen Universität Prag-II, Vinicna 3a. Botanicka Zahrada, University Karlovy, Praha-II, 433. Spolkova Zahrada, V. Pruhonice, V. Praze. Botanicka Zahrada, Roudnice. Botanicka zahrada zemske vyssi skoly hospodarske.

• At Prague: The Belvedere garden, 16th Century Italian. Wallenstein garden, 17th Century Italian. Fürstenburg garden, neglected but of Italian style. Lobkowitz garden, now a romantic garden. Schonborn Palace, seat of the American Legation, with fine old gardens. Wrtba Palace, old Italian Baroque and interesting to see on that account.

IN AND AROUND CONSTANTINOPLE

• Many of the mosque courtyards are fine and, of course, open to the public. Also the gardens of the Medressehs (ecclesiastic schools), the gardens of the former summer embassies along the Bosphorus, the English, the Russian, the French, and the former homes of wealthy Greeks.

• Probably by applying at the Museum of Art one could be given a guide and permission to see some fine private gardens in town and along the Bosphorus and even across on the Asiatic side. The cemetery of E Youb in Europe with its Cypress trees is unique, as is the larger one located at Scutari on the Asiatic side of the river.

• The Old Seraih is open and has fine tiles and fountains. Turkish gardens in Constantinople are either Byzantine or like the Persian gardens and in the main are very worth the long train or boat journey it takes to reach them.





Decorative garden lead-work

Lead ornaments for the landscaping scheme • By Mr. & Mrs. G. Glen Gould

[illegible]

CASUALLY, we associate lead with old garden statues of a primitive and somewhat fatuous sort, unless we are sufficiently traveled to have seen the masterpieces of the sculptor's art on European buildings in- and out-of-doors, the majestic work on public fountains, the suave and delightful embellishments of French and English gardens, or some interesting small *bibelot* which has been carefully treasured since the days of the Renaissance.

The big lead dogs, painted and carefully sanded, standing on the stone gate-posts of Victorian days, never deceived anyone. We may call them imitations of stone, but it was always known they were lead and not stone, just as everyone knew marbleizing in paint was not real marble, and however "true to life" were the roses on the chintz or the *papier mâché*, they were never mistaken for real Roses, any more than the iron stag on the lawn was mistaken for a real deer.

Today we are inclined to value a metal for its intrinsic value, as we do other materials, and are apt to use lead as we do iron, ungarnished by paint or gilding. But other days, other ways, and the gilding of architectural lead-work was not more general than the gilding of garden statues and household ornaments.

Less dignified than bronze, less majestic than stone, less beautiful than marble, lead still has its place in art and ornament, and the pale gray patina on the delicate bas-reliefs of a classic garden vase of the Adam period makes it as much a part of nature as the lichened garden wall. Nor have great artists and designers scorned to work in or for lead, from the Adam Brothers and Flaxman in England to the foremost sculptors who glorified the Court of Louis XIV in France, and *plomb doré* has taken its place beside bronze and marble as a medium of the fine arts.

In the Orient, where the patient craftsman carefully inlays metal upon metal, that the varying lusters of their surfaces may grace his pattern, we find Japanese brasswork inlaid with lead or pewter, and a little lead bowl from India enriched by silver inlay in a floral pattern enlivened by small dolphins. The Englishman is not obtuse to such effects when he decorates his leaden rail-water pipe-heads with a pattern in tin, as at Knole.

The history of lead-work is an ancient one. Egyptian, Trojan, Mycenean and Greek civilizations all made use of lead. We find Coptic vases and mirror cases with characteristic ornament. Rome used lead abundantly, notwithstanding her devotion to bronze, and many beautiful examples remain of well decorated boxes, medallions, shells, and even a jeweled cup—the jewels of glass. In the Byzantine period lead was continuously used. The Medieval, especially the Gothic period, (*Continued on page* 92)

ALTHOUGH the companion figures at the right might be used separately, their best placing would be at either side of some symmetrical garden composition. "Girl with Bird" (1) measures 29 inches high. Base 8½ inches. "Girl with Bird's Nest" is 30 inches high; base 9 inches. Wm. H. Jackson.

The boy holding bird (2) might be in some little bay of the shrub border. Walter Gilbert, sculptor. 3½ feet high. Arden Galleries. (3) A group for the margin of a garden pool. 31 inches high. Erkins Studio, Inc.

While either the rabbit group (4) or the figure of a faun (6) could be used separately, they are particularly made for some such position as at the sides of a garden entrance. Rabbits, 2½ feet. Faun, 3½ feet. Arden Galleries. (5) An urn that measures 21 inches high and 24 inches wide. Erkins Studio















Among the building gadgets

New developments in residence equipment and construction • By Gayne T. K. Norton

is now being placed on the market which burns pea-coke, a fuel much lower in cost than regular size coke or furnace coal.

This stoker is automatic in operation and control adjustments offer no complications. The hopper holds 300 pounds of coke, a supply sufficient for three days. A thermostat, installed in any room, maintains even heat by operation of drafts. A time switch regulates duration of operation. A counterweight acts as a check to assure an adequate supply of fuel.

The method of control is such as to prevent the grates from being over loaded or under loaded, and as the stoker operates for only a limited period during each hour the cost of electricity used is lowered. The under-feed method of firing is employed, and in the unit is incorporated an automatic grate-shaking feature that promotes efficient operation. All moving parts are properly enclosed.

Sturdily built for trouble-free service, this stoker, we are assured, has successfully passed a two-year test period and can be installed on any of the better known makes of warm air furnaces.

QUICK DRYING WALL. Neither plaster nor plastic paint, there is a new type of wall and ceiling construction that can be used in place of lath, that has the advantage of drying quickly and may be decorated in any fashion. It is a cement-like material, with the strength of native rock.

A thin coat, not more than an eighth-inch thick, on wallboard is said to produce a surface that will not crack, that will be strong, rigid and long lasting, and that, because of its light weight, will speed up construction; there will be less material to handle and no delays will occur due to slow drying walls.

This product may be used over insulation or plaster boards, over brown plaster, hollow tile, gypsum block, brick, cement and concrete surfaces. It may be troweled smooth and painted, lacquered or papered; it may be textured and painted, over-glazed or lacquered. A metal corner piece is used to give strength to the finish at the angle where wall and ceiling meet. When used over wallboard, the material fills the joints between the sections and permanently binds these sections together, concealing the joints from view and strengthening the whole.

Applied in the amount of about a half pound per square foot of area, this product rapidly attains a tensile strength of 350 pounds per square inch. This rapidity speeds the job and lowers costs. The very low water content means surfaces dry in 48 hours and ready for carpenter to "trim" and painter to finish; also there is no lingering dampness to perhaps warp floors and woodwork, prevent wall decoration for months and cause rooms to be chill until the plastering is thoroughly dry.

FAUCET WATER HEATER. For summer camp or cabin, for guest cottages, garages and homes is a portable heater that instantly provides hot water from any cold water faucet. Attached in a moment and its cord plugged into an electric outlet, one may draw any amount of water heated to the desired temperature.

A filter is incorporated in this heater. Cold water is available while the heater is attached, when the switch is turned "off." No special plumbing or wiring is needed; there is no pilot light, no tank, no installation cost. Operating cost is low as one pays only for the electricity used and this is used only when the water is needed. Units are provided for AC and DC systems. Current consumption is about two kilowatts per hour. A gallon of hot water is delivered in from four to six minutes. This heater can be easily and quickly moved from one room to another. It is guaranteed for one year.

IMPROVED WINDOW FRAMES. A master maker of window and door frames, offering 640 sizes, announces a window having seven new features. Of these, the first is a tongue between head and side casing; this makes a tight even joint, preventing leakage.

The second feature is the locked sill-joint construction that holds sill and jamb rigid. Third, the three-inch slope to the sill ensures perfect drainage. A high front shoulder on the sill is provided for storm sash and screen. Fourth, a chamfered blind stop allows perfect sill drainage and prevents dirt lodging behind the blind stop.

Fifth, an inside liner gives strength to the jamb and provides greater nailing surface for inside trim. Sixth, casings three and three-quarter inches wide add to the appearance of the window. Seventh, pulleys with machine turned wheels are used.

The locked sill-joint is the most important feature. It solves an old frame problem by creating a permanently weather-tight joining of side jamb and sill. The wide blind stop, as shown by tests made at the University of Wisconsin, reduces air leakage more than fifty per cent.

The tests also showed this leakage to be 174 cubic feet per hour around an average window frame. This leakage goes on 24 hours daily and each window on the windward side of the house leaks the same way. Cutting leakage more than in half is therefore a very important feature of this new frame. Window leakage is largely responsible for drafts and high fuel costs.

Another improvement just announced by this frame maker is a bronze weatherstrip that is easily installed in his double-hung windows. The parting stop is removed and the weatherstrip is slipped in without routing, rabbeting or nailing. The spring of the strip gives a double tension that reduces leakage about the sash and causes windows to open and close smoothly and silently.

GUIDE LINE LUMBER. An important addition to a popular line of packaged lumber, guide line framing was announced early this spring. This new framing lumber is a form of dimension stock improved for easier use and more accurate workmanship.

The product is available in sizes two-by-four, by-six, by-eight, by-ten and by-12 inches, in even lengths from eight to 20 feet. It is seasoned, surfaced on four sides in conformity with American lumber standards, and corners are slightly chamfered for safe, easy handling.

Lines are lightly pressed, square, across the face every inch of its length, with numerals every foot, as a guide in measuring, cutting, fitting and levelling. Each end is machined square to exact full length and imprinted in blue with species, grade and trade names as protection for the buyer. It was made from Douglas Fir and West Coast Hemlock. (*Continued on page* 86)



G. W. Harting



The New York apartment of Mrs. Cheever Cowdin

THE sunroom pictured above is decorated with murals by Felicen Cacan, showing white cockatoos and tulips on a white ground. The woodwork is painted white. White and yellow checked silk curtains are under brown taffeta. Lamps, shades and carpet are white. Mirror shutters close the windows. The living room is on the next page





A Georgian library in two tones of green gives background to books and pictures

ORIGINAL paint in two shades of green is found in the old paneling that covers the library walls. Against this is contrasted the white marble of which the fireplace molding and hearth are composed. The sofa is in grayish green velvet and the Queen Anne chair is covered with an effective antique silk embroidery on a cream ground.

At the windows are shaped lambrequins of faded silk in light henna, with taffeta curtains of the same pleasant material and cream-colored sash curtains. The rug is an Aubusson on which pale medallions show against a green ground.

THE living room, shown on the previous page, has pale yellow walls, a carved pine mantel embossed with figures, and a hearth of pinkish marble. An antique Louis XIV damask whose colors are yellow mauve and pink tan was used for the curtains.

The Aubusson rug has a scattered design in rose and light green. A mixture of Louis XV, Chippendale, Queen Anne and Sheraton pieces furnishes the room. The chairs are upholstered in chartreuse green damask. Two paintings by Rockwell Kent, placed in prominent locations, are the only pictures on the walls.



Mauve mirrors and Chinese panels join Sheraton and Chippendale furniture

THE dining room walls, which are pinky tan in color, are distinguished by four old Chinese panels set in by long strips of bamboo paper borders and antique mauve mirrors on which are faint shadow paintings. The furniture here in this room is Chippendale and Sheraton and the rug an Aubusson with a brown border and varied soft yellow and pink flowers carried out on a green ground.

The curtains are of apricot damask, which harmonizes with the pink walls. An English Chinese lacquer cabinet placed on a pine base is a colorful feature

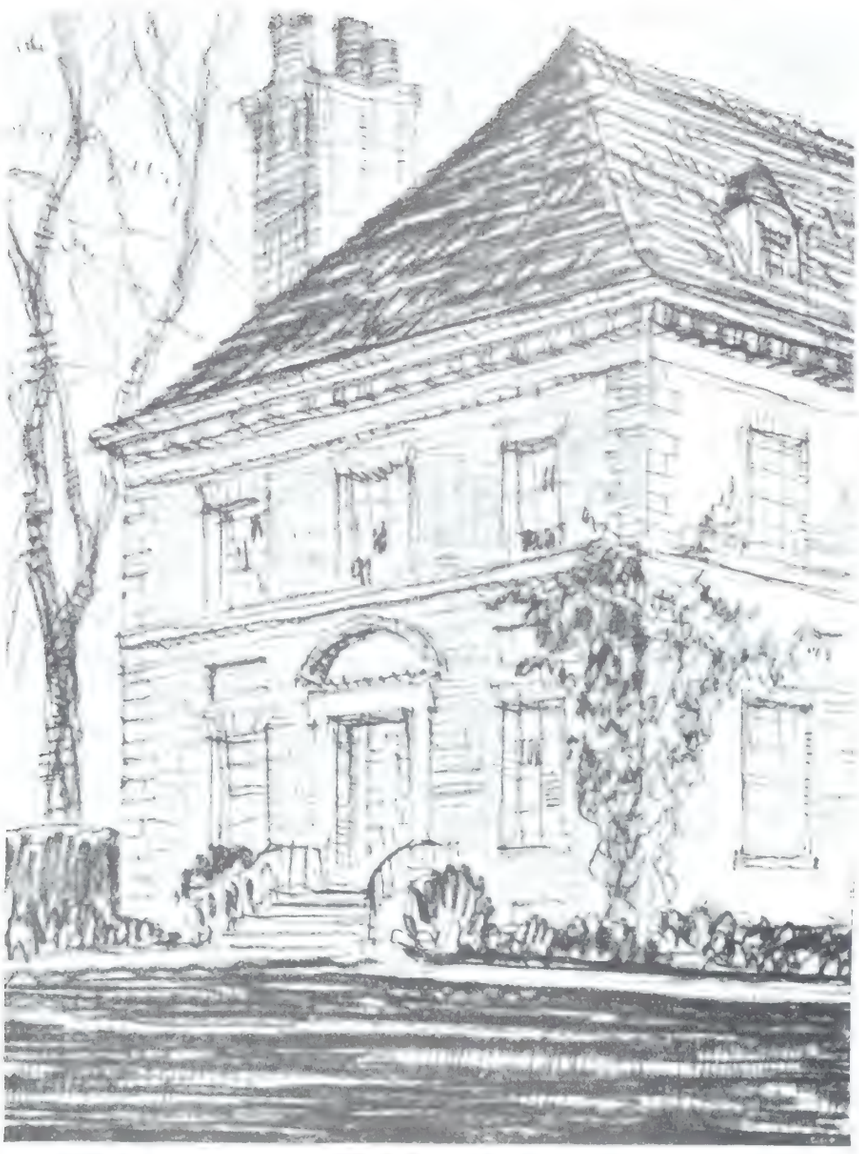
A PLEASANT softness is given this apartment by colors that are low in key—rose, pale green, yellow, pinky tan, Georgian greens, all of them tones to make unobtrusive livable backgrounds, and with which meritorious furniture and fabrics can be used to their advantage.

The furniture is a mixture of several periods and styles: French and English pieces mingle with admirable decorative accord. The pictures in the various rooms also represent several schools—horses by Ben Marshall and canvases by Arthur B. Davies and Rockwell Kent. Mrs. Cowdin was the decorator



Formal English houses of pre-Georgian times

By Gerald K. Geerlings



IN these days of relativity interest, some architecturally-inclined psychologist should be moved to determine a relation between glamorous periods of history and the effect on houses that were built a century or more afterward.

There is the colorful reign of the Tudors, embracing such an influential sector of history that four centuries later in America we still erect houses adapted from that period. The stirring days following the colonization of America, when England sent over her craftsmen-builders and finally her generals, is recalled in every suburb by the so-called "Georgian" style. But only rarely in America is a house reminiscent of the period intervening, when the House of Stuart and the first two Georges occupied the throne during the 17th and first half of the 18th Century.

Yet at the present time Tudor tracery in stone seems extravagant. Half-timber is unsuited to our methods of construction. Georgian columns give way in budget preference to heating and plumbing equipment. So we do well to look into the houses erected in Stuart England from the time of William and Mary, through the reign of Queen Anne, almost up to the days of the Brothers Adam. For during this period, from the three-quarter mark of the 17th Century to the middle of the 18th, there was less em-



[illegible] Queen Anne [illegible] ful curve. Windows have straight tops, but [illegible]

With English houses, privacy from the [illegible] has always been a matter of insistence. This typical [illegible] house at Highgate has a restrained forecourt guarded by a low brick wall, surmounted with a simple iron rail fence. The windows with their wide [illegible] are typical of the period, as the simple doorway with its hood supported on [illegible] For this type of [illegible] without exception [illegible] from soft [illegible]

THIS is the sixth of a series of articles dealing with the proper adaptation of foreign architectural precedent to residences here. Prior articles dealt with Spanish, Italian and formal and informal French houses. The series will continue through successive issues. The drawings are by the author



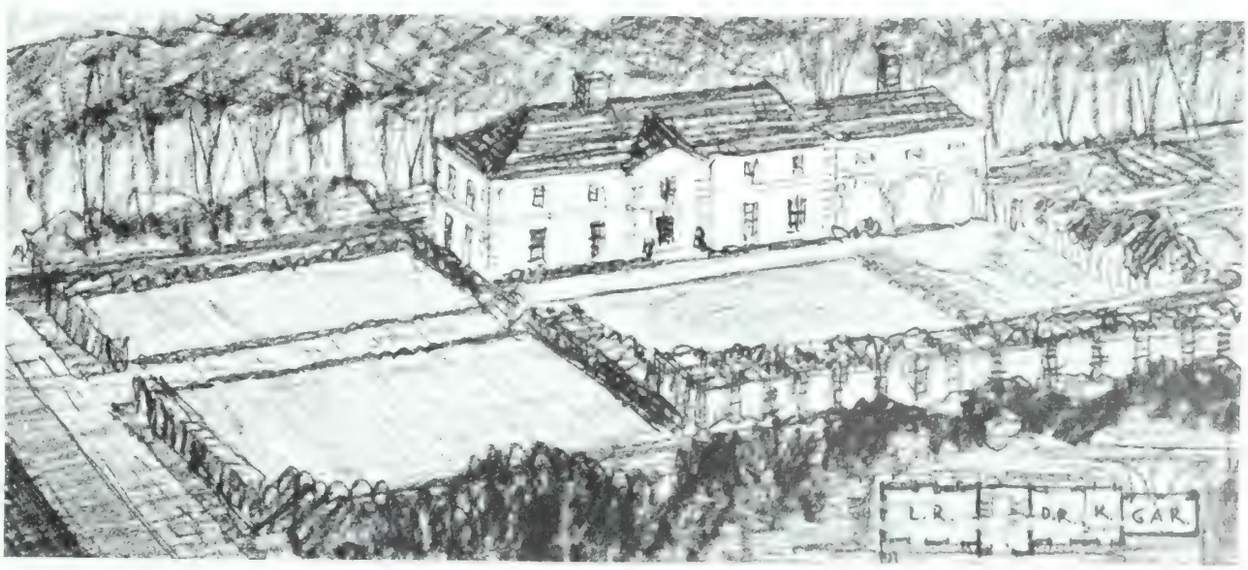
phasis upon ornamental forms than upon utility, a wide usage of brick rather than half-timber, and a development of the informally formal house of medium size.

Of the large manor houses and grand country estates these notes shall not concern themselves. It is rather the medium-sized houses built along the highways and byways which led from London toward Richmond and beyond, or to Hampstead, which today are applicable. There are various styles which demand considerable manipulation before they can be throttled down to the limits of our checkbooks on the one hand, as well as accelerated up to the speed of ever-changing American life on the other. But your house of the late Stuart-early Georgian period has not only a good motor which will respond to sudden demands, but a stabilizing gyroscope as well. Decide on it as your model, hand it over to your chauffeur-architect, and you will find it knows how to hold the road.

To begin with the roof is to offer several possibilities. It may be the hip-roof type, starting upward from the eaves with a graceful swoop and gaining altitude with a moderate pitch, as shown by the large drawing on the opposite page. Few dormers should impede its pace, but there should be occasional smallish ones to ventilate the attic and thus keep cool the sleeping rooms on ho

THE Queen Anne period was fond of round bays for either the dining room or the end of a drawing room. If such bays are built as in the drawing above, they are not expensive features, for both band course and parapet coping are of ordinary brick or straight faced stone. Here it is suggested that the third floor should have a continuous sleeping balcony opening directly off top floor bedrooms. The corner quoins are shown as forming a vertical line in contrast to the horizontal of those in the other drawings

OFTEN a long house offers difficulties in placing on a plot unless it is arranged in some such manner as suggested by the sketch below. The forecourt is intersected by a flagged walk leading to the terrace. At the farther end of the house is the garage, with rear wall blank and serving as a foil for vines trimmed to form arches about trellises. Opposite the house is a pergola, a detail of which is shown in the drawing at the bottom of page 73. The garage drive lies parallel to the house





ABOVE: Modern Houses Have a Pent-house Arrangement Adapted to Sleeping Porch Requirements. The Entrance is Level Instead of Up Steps and the Living Rooms Have the Ground Floor Windows to Street. An Interesting Treatment of Brick Walls and Arched Doorways Is Shown in the Enclosed Garden of Another Town House

THE sketch below shows contrasting treatments: one house accents the [illegible] and the other [illegible] vertically. The [illegible] after one [illegible] the door [illegible] the [illegible] street. [illegible]



summer nights, and dry the underside of the roof after a rain. Then too, the roof may rise from behind a parapet wall in beginning its ascent to the ridge. Or, the roof may be perfectly flat. The latter possibility opens up all manner of desirable features, particularly in the town house, where play space is apt to be at a premium. It permits of a sleeping deck opening out of a pent-house arrangement. (The latter is a cautionary measure in case a retreat is necessary from a storm, without having to make the long trek downstairs for shelter.) Even though the house be in the country a flat deck may be exactly what is needed to appreciate a fine view or to make the most of a hot night. Then too, a flat roof is the least expensive of all to build and keep in repair.

An admirable feature of the Queen Anne type of house (calling it that for convenience) is that its mass can be readily manipulated about to suit our modern requirements. For example, supposing a family desires open sleeping terraces adjacent to their bedrooms. The drawing at the top of page 71 shows how such a house could have the third floor stepped back, allowing for bed or play space between the parapet and the outside wall of the rooms on the top floor. The same feature has been incorporated in the town house to the left in the sketch at the top of page 73.

For the brick house there are no mannerisms more economic than those of the Queen

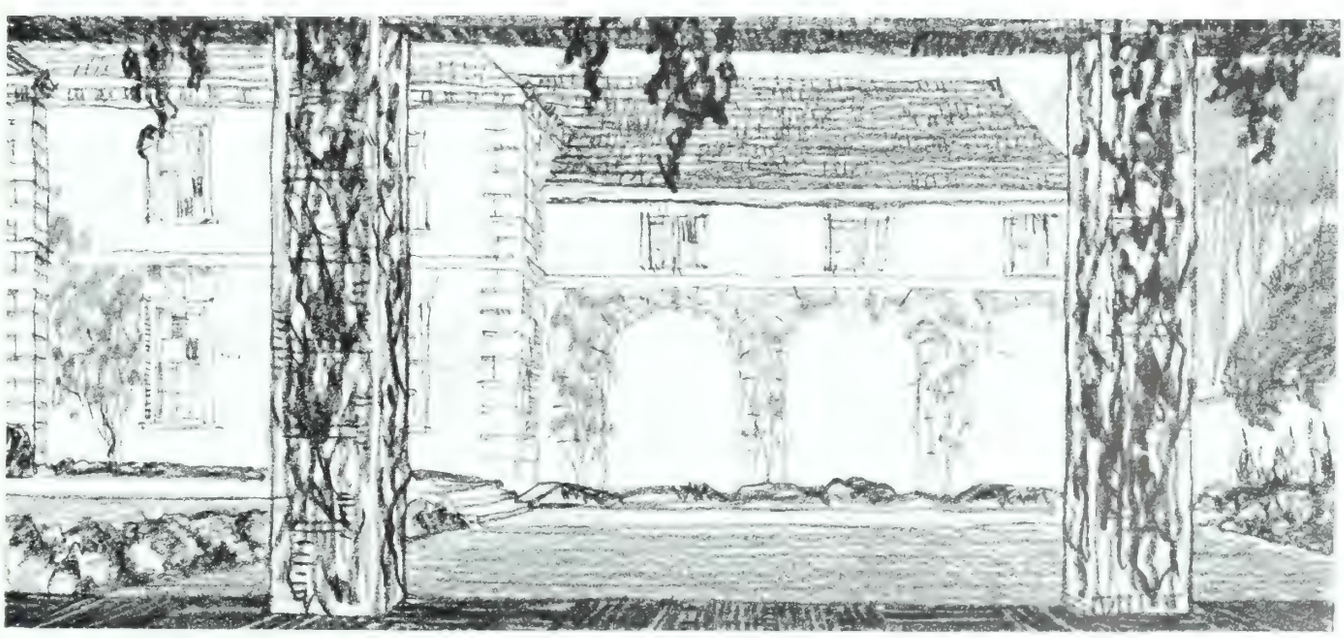


Anne period. The cornices are often nonexistent. The roof may slope down behind the parapet wall; the latter finishes off at the top with merely a coping course, as shown by some of the houses illustrating this article. The tops of windows are usually graced with slightly curved arches, a means which not only is less harsh than flat or straight ones, but saves the cost of the steel lintel as well (the fact that there were no steel supports at the time the Queen Anne houses were built accounts for the arched window tops of course). Doorways are more often than not marked by being in the center of an important motif or else buttressed by commanding planting. Entrances are thus economic affairs by being dependent upon forethought in their placing and planting, rather than on the cost of their architectural ornament. Band courses are a necessary ingredient, being either of molded brick or stone. Their job is to tie together the tops of the first floor windows, or serve as a common sill for the second floor ones. Sometimes, as in the town house shown to the right in the sketch opposite, there is a pair of band courses between windows.

Wherever a wall turns a corner of a Queen Anne house there are likely to be slightly projecting "quoins", the rectangular accents shown in most of the accompanying drawings. Sometimes their inner margin alternates between one quoin being wide and the next one narrower, etc.; at other times they form an even line from cornice to grade. The origin of this feature goes back to the stone (*Continued on page* 106)

WHILE in America the private town house is now rapidly giving way to the apartment house, there is occasionally a site which demands a compact house of three stories, or a semi-detached house. But wherever the house may be, the means that are used in London to create a little forecourt is always worth recalling

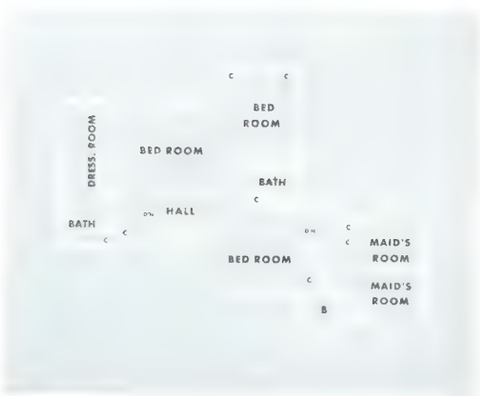
THIS drawing below presents details of the house and pergola shown on the bottom of page 71, illustrating how much more intimate the view of the long facade of a house will be when interrupted and framed by a pergola, than though it were isolated on the plot. Note the three arches made by vines on trelliswork frames





Limestone walls for an English house





IN DESIGN, the residence of Randolph Owsley at Lake Forest, Illinois, follows the stone houses in the hills of Worcestershire. The plan is also reminiscent of English houses in that the principal rooms face the garden rather than the noise and dust of the road.

The view above shows the garden face. Exterior walls are cut limestone; the wood-shingled roof is stained a dull brown. Window frames and sash are of wood. Stanley D. Anderson and James H. Ticknor, architects. Frank Swanton, landscape architect



In the fashion of a French manoir

DRIVE and walled forecourt paved with old, worn Belgian blocks make an appropriate preface to the French manoir home of Douglas M. Bomeisler at Greenwich, Conn. Forecourt and house walls are whitewashed brick; window and door trim and quoins picked out in red brick interestingly contrast. The iron lantern above the gateway is of 18th Century design. Leigh French, Jr., architect

BELOW is a general view of the north front, seen from a corner of the court. While simple, the color scheme is particularly striking: white walls, mellow red roof, red quoins, trim and cornice, green shutters and very deep green evergreen planting. The paving is laid in concentric circles about an old millstone centered before the principal entrance. Davidson Constable, landscape architect





A traditional French adaptation in Connecticut



THE south face of the Bomeisler residence is presented above. A wide brick-paved terrace extends the depth of the house and overlooks the garden

From this terrace steps come down to the slightly lower level of the grass terrace about a pool. The French window at the left is in the living room; the one to the right opens from the hall

WOODWORK in the dining room is painted in a soft green tone. Painted on the walls are picturesque landscapes in which soft greens and blues predominate on a mellow ground

Furnishings are mainly of French provincial character. The door shown leads upon a little "L" which the terrace makes about this wing of the house



Interior design that is in character with the exterior

Leigh French, Jr., architect



To the left is the fireplace wall of the dining room. The fireplace facing is of red veined marble. At each side is a built-in niche with a cupboard underneath

The first floor plan of the house is shown below. Principal rooms are in the portion between terrace and forecourt. Service rooms and garage are in the wing

Five bedrooms, a boudoir, a dressing room and a servant's bedroom are on the second floor. Besides the main stairway, a service stair goes from first to second floors

The interior of this house has been carried out in a manner that reflects the spirit of the exterior design. The same excellence of taste is discernible in both cases

Below is a view through the door seen in the dining room at the bottom of the page opposite. The "L" made by the terrace at this place appears as a sort of patio

In the brick-bordered fountain niche of the wall opposite, there is a lead figure upholding a fountain basin. Excluding the red brick accenting the niche, the wall is whitewashed





An English cottage that grew into a large country home





It's not "vegetables" to them . . . it's just good soup!

And without realizing it,
they are eating 15 nourishing, health-giving vegetables!



Home's the sweetest place on earth
And victory is dearer,
For knowing, at each mighty stroke,
That Campbell's Soup is nearer!

LOOK FOR THE
RED-AND-WHITE LABEL

"My, but I do wish that the children would eat their vegetables. It's enough to drive me distracted, the trouble I have every day to coax them into eating vegetables."

Practically every mother has this same story to tell unless she gives the youngsters Campbell's Vegetable Soup. If your children are sulky and balky about eating these foods which they need so much for their proper growth and health, just place a bowlful of Campbell's Vegetable Soup in front of them. Watch it disappear!

And while the children are enjoying the delicious flavor of this soup, they are eating 15 vegetables!

Soup is such an ideal way to eat vegetables because it retains their health-giving mineral salts in an exceptionally rich abundance.

Vegetables served in other ways than in soup are apt to lose a large amount of the mineral salts which the cooking water absorbs. In the Campbell's kitchens, the vegetables are cooked in their own essences and juices; all of this body-building goodness is in the soup, enriching it and making it especially wholesome for growing children.

So give your children the real, sound benefits of Campbell's Vegetable Soup. At your grocer's.

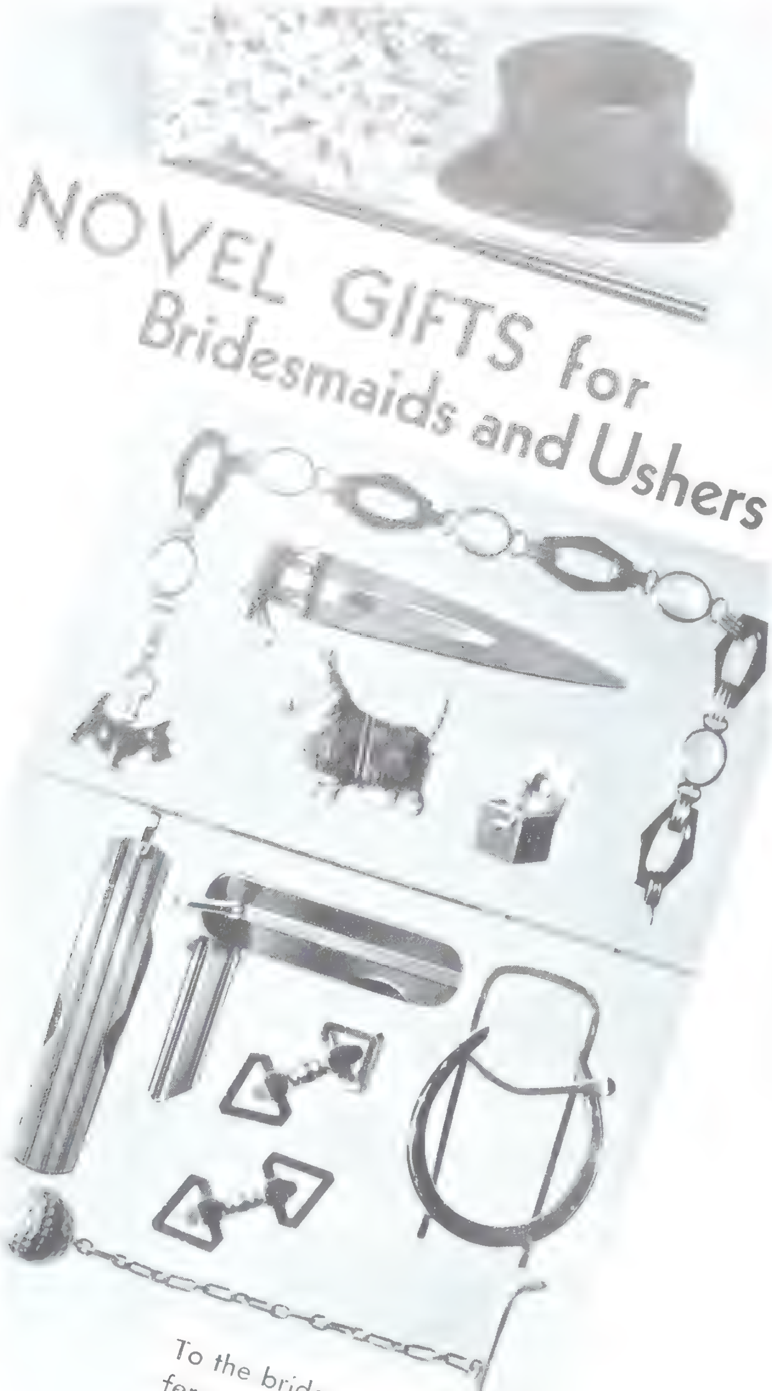


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Bean	Mulligatawny
Beef	Mutton
Bouillon	Ox Tail
Celery	Pea
Chicken	Pepper Pot
Chicken-Gumbo	Printanier
Clam Chowder	Tomato
Consommé	Vegetable
Julienne	Vegetable-Beef
Vermicelli-Tomato	

11c a can
(*reduced from* 12c)

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Savoy-Plaza. 775 Fifth Avenue. New York.

BRAND-CHATILLON

Hardware for the modern home

(CONTINUED FROM PAGE 57)

to pick such a lock with a skeleton key. It thereby affords maximum security. Of even more benefit to the home owner is the everyday convenience of the master key. Every small home has two or three outside doors which the owners will wish to use indiscriminately for entrance by means of a key. With this type of lock it is possible for one master key to open all of these exterior doors, while other people, such as a maid or gardener, may carry a key which will operate only the one door they should use.

Doorknobs are available in many materials and finishes. Those most generally in use are of porcelain, glass, steel, brass, and bronze. Porcelain is used in service portions of the house, glass in any part, particularly the bedrooms, and the metal at the option of the owner in those parts where they best fit in with the architecture of the interior. Rustproofed steel knobs may be finished in dull black, correct for the early Colonial house, or polished. These iron finishes are much in vogue today with textured walls. In the cheapest work, steel knobs may be plated over with brass or bronze. This is seldom advisable because wear on knobs in frequent use is considerable, and the plating will soon be worn off.

PERIOD DESIGN

Period design in hardware is most evident on the entrance door, where the average home owner spends the major part of his hardware allowance. With the cylinder lock a handle with thumb latch is customary, or in other [illegible] decorated [illegible] may be selected. In many styles of architecture strap hinges of wrought iron to match the other hardware are applied to the face of the door as an additional embellishment. In early days when every house was built to serve as a barricade, strap hinges were very substantial. But today the purpose of these strap hinges is generally purely ornamental; the strap will be found to be entirely independent of the hinges, which will [illegible] these days of bells operated without the slightest hazard of failure from the electric circuit.

Lever handles replace knobs on one side of doors in certain instances. This is customary with French doors where the stiles are narrow, bringing the knob close to the edge of the door. The presence of the lever handle on the push side saves the knuckles of a person, passing through, from the danger of being knocked against the frame, and most annoying to the [illegible].

Do not limit your thought to doors when selecting hardware—there are windows throughout the house, and if they are to operate easily they must be properly equipped. If steel windows [illegible]

will come as part of them, but f double hung sash or wood casements are your selection the question proper hardware should be given c sideration. All double hung sash fitted with a latch at the central me ing rail by means of which the w dow may be fastened. Not so many equipped with lifts set in the botto rail but these are desirable for ra ing the window, saving handling painted wood sash. Because of the e posed location these should be solid brass where the budget will p sibly allow it. Wood casements off still other problems, which have be solved by hardware manufacture Most casement windows open o These, like doors, are hung on hing and are equipped with a latch. Su sash must be screened on the insi A screen completely filling the ope ing will give the best service, but is not easy to open or shut the windo if one has to open the screen fir Therefore the satisfactory soluti may be the operator fastened to th sill and bottom rail of the windo which operates the sash under th screen.

Cupboards will require hinges an latches. These should be selected f their appropriateness to the general i terior architecture of the house. Doo on small cupboards should be fitte with unobtrusive handles, finished t match the hardware of the room.

It must be because the hardware one of the last things which the hon owner is called upon to select that s many inexperienced home builders tr to save a few pennies on this iten Coming to his attention at a belate time when the harassed home owner i beginning to realize that he is intr ducing too many items into his hous for the limited size of his budget, i ill-advised he will order plated knob instead of the solid ones originall specified, cheap locks rather than th durable ones of positive action recon mended by his architect.

POOR ECONOMY

It takes but a very few years f such attempts at economy to be prove unwise. Latch bolts stick and door will not stay closed. Doorknobs re ceive a great deal of wear during th daily opening and closing of the doo Under constant handling and th cleaning after children's sticky fingers plating quickly wears away, exposing base iron.

The amount of money involved in the hardware purchase is very small i comparison with the entire investment in your house. The hardware is lik wise placed where it will always r main conspicuous whether its appear ance is a credit to the house or other wise. Consensus of opinion seems to establish an amount of about one per cent of the total construction cost as the proper minimum allowance to secure hardware which will give satisfactory and long-lived service.

NOBODY PAID ME $1000



I GUESS you'd call this a testimonial all right, but nobody paid me a thousand dollars for it like they do those society women. I'll be lucky I get an extra bone. After all it's only a story bout my love for the boss, and I don't suppose it's orth much.

"I was just a puppy in a kennel when the boss me and took me away. It was pretty hard leaving mother, but when I saw the boss' plain, kind ce and felt his big gentle hands, I knew that he d I were going to get along.

"Well, life was simply wonderful. All day long ere were cats to chase. Any number of them. I n't think anything's more fun than putting the ar of death into a fat, complacent cat. They say, course, that it can be overdone, but I doubt it.

"Every night when the boss would come home e'd romp down to the sea and he'd talk to me. nce or twice he let me take a swip at that nasty how across the street. A swell guy. And on weekds we'd go out in his boat with some of his crories. At night they'd sit around the cabin light and lk about the places they'd been, places they'd like be, and yachts they'd sailed, and how some day ey'd buy a big schooner and go off to the South ea Islands and grow old in a fig leaf.

"'A beautiful hand-painted chance you'll have of getting to the South Seas,' laughed one of the boss' friends, 'with the market the way it is, and Elizabeth Carstairs waiting next door. Why, Charlie, my boy, within another six months you'll be doing the lock-step up the dark halls of matrimony. You'll be home thumbing seed catalogues under the eagle eye of the adored one, while stout fellows like myself are braving the raging main.'

"'She's a wonderful girl!' answered the boss. 'You are simply envious.'

"I guess she was a wonderful girl all right. And beautiful too, with that kind of reserved stately beauty you see in Massachusetts women. The boss adored her. I can't say as much for myself. I would have liked to yip at her heels. She seemed kind of shallow to me—always fussing about little things.

"Suddenly she began to act sort of distant to the boss. They didn't kiss as often as they used to. He seemed to annoy her although he was just as sweet as he could be to her. Naturally, this cold attitude of hers bothered him; he used to sit with his head in his hands, wondering what was wrong.

"And at first I didn't have the slightest inkling myself. But later I knew what the trouble was. Or at least I thought I did. After all, a dog's keenest sense is that of smell, and there could be no doubt that the boss' breath wasn't beyond reproach.

"I am only a dog but I know that a man can't get away with a thing like that. The ads say that even a man's best friend won't tell him, but believe me the only reason I didn't tell him was because *I couldn't*. I tried hard enough. But whimpers and barks don't convey much.

"It wasn't long after that that she broke the engagement—and his heart, too, I guess. He never went anywhere—not even to his boat. Just moped.

"Then one night he got wise. I like to think I helped him see himself as others—including Miss Carstairs—saw him. It happened this way:

"There was a magazine lying open on the floor where it had fallen from the rack. Face up was one of those Listerine ads. Well, sir, I just went up and put my paw on it and barked till I was hoarse.

"'For the love of Christmas, keep quiet,' he exclaimed, 'and get off that magazine.'

"Then he picked it up!

"Something read him and read it. He read it all the way through.

"He must have taken the hint because he and Miss Carstairs have patched it up. The wedding's next month. And now, if you'll excuse me, there's a little cat trouble outside I'll have to attend to."

Halitosis, or unpleasant breath, is the unforgivable fault in social and business life. Everyday conditions capable of causing it may arise in even normal mouths.

The one way to put yourself on the safe, polite, and acceptable side is to rinse the mouth with full strength Listerine. Every morning. Every night. And between times before meeting others. Listerine strikes at the cause of odors (fermentation and infection of the mouth, nose and throat) and destroys the odors themselves. Lambert Pharmacal Company, St. Louis, Mo., U. S. A.

Remembered by her Children's Children



Whether you wish a simple gift or an important one — an intimate gift or a formal one — your shopping problem may here be solved with ease, satisfaction and pleasure.

Illustrated is sweet pea in full flower [illegible] *arms extra. A Belgian repro* [illegible] *shape in crystal and* [illegible] *Complete service.*



Wm. H. **Plummer** & Co., Ltd.

IMPORTERS OF

Modern and Antique China and Glass

7 & 9 East 35th Street, New York

Near 5th Avenue

[illegible] HAVEN, CONN. [illegible]

[illegible] STFORD, CONN. [illegible] Washington Ave.

Among the new building gadgets

(CONTINUED FROM PAGE 66)

This product puts framing lumber in the class of precision materials. Its use will go far to prevent the annoyance of sticking doors and windows, uneven floors, cracks and other faults charged to framing. For any of the many uses calling for dimension wood, this reforested garde fac lumber is suitable and it will probably [illegible] the user as well as give assurance of quality, eliminating the hazard of inferior wood, of questionable origin.

Ventilating louvres. Attic ventilation is necessary at all seasons and particularly in summer, may be accomplished in old or new houses by means of a gable louvre of rust-proofed steel, copper screened, which is opened or closed by means of pull chains. These louvres may be operated either from the attic floor or a lower floor. Operation can be controlled [illegible] if so desired.

This louvre, when open, permits circulation of [illegible] per cent of the total area it occupies; it admits light, but excludes insects, birds and the elements. Nearly 14 inches [illegible] in type [illegible] 12 by 12 and 24 inches. The unit may also be used as a ventilator for kitchen, range, [illegible] closet, toilet and [illegible] the louvre [illegible] Easton.

A panel louvre, used [illegible] that permits the gable ventilator, [illegible] the full size of a door, provides ventilation and privacy, [illegible] ing light and giving protection against [illegible]. It is well suited to bedroom and [illegible] porch doors. The device [illegible] itself [illegible] opened or closed from the outside. Operating [illegible] so arranged that the room occupant may open the upper or the lower portions independently.

[illegible] ventilating panel [illegible] of louvres specially designed for heating systems. It is placed in walls and [illegible] for radiators. When closed, the device presents, from the room side, the appearance of the old-fashioned blind. The operating [illegible] terminates in a small solid [illegible]

The [illegible] conduit, [illegible] steel metallic [illegible] thin wall conduit, is designed to carry wiring, lighting, telephone or special [illegible] It is easy to cut or bend, taking any standard fitting and galvanized to resist corrosion. [illegible] [illegible] to manufacture or assemble [illegible] with threading.

This conduit protects wiring systems from injury during construction and, with the growing number of electrical applications found in homes and the need for insulating one wiring system from another, it assures more satisfactory results later when several circuits [illegible] at the same time.

Moulded rubber flooring. For kitchen, bath, sunroom, breakfast nook and vestibule a rubber floor in board form is offered. This interesting product, manufactured in various color designs, is made in [illegible] and in three-eighths inch thickness, six, eight, nine and 12 inches in width, and the strips are ten feet long, making squares of six-inch size or ten of 12 inch blocks.

It is said to be durable, sanitary, vermin-proof, noiseless, moisture proof, dustless, non-slipping, and easy to clean. Sides and ends are tongued and grooved, ensuring even joints and making installation possible on either wood or concrete base at no extra cost for surfacing. A separating joint compensates for any contraction or expansion. One board of 12 or [illegible] squares can be laid with about the same labor that is required for a single 12 by 12 inch block.

Streamline cabinets. Lacquered in various colorings and shades, kitchen cabinets and cases of welded steel, sanitary and rodent and vermin proof, are now offered in streamline design with narrow stiles and rails.

Counters are steel covered, linoleum, laminated maple or monel metal. Units are built for assembly in any space and in almost any desired combination. Semi-concealed hinges add to the modern and smart appearance.

All exposed edges of these equipments are rounded. Each drawer is mounted on channel supports and [illegible] with stops that are readily [illegible] Lock Locks are provided for doors and drawers if desired. Many [illegible] plans for kitchen and pantry layouts, each with the simplest flow of work, created upon it, have been developed and are offered by the maker.

Bonded shower curtains. Water repellent and mildew-proof, yet not made of rubber or of a rubberized fabric, a new line of shower curtains is offered in a material that has all the fine qualities of a soft silk with greater durability and utility. All these curtains are bonded for a two year period.

Washed with neutral soap and ironed, after rinsing, while wet, they are guaranteed not to crack or harden, they drape well and ironing improves the luster. They are offered in a variety of color-fast designs. No paraffin or aluminum acetate are used in the chemical treatment by which the material is made water repellent and mildew-proof.

Automatic cellar drainer. Possibility of flooded cellars due to spring freshets or large quantities of seepage water are removed by a compact electric sump pump that is automatically operated by a drainer valve. As water rises in the sump (this may be created by sinking a piece of 18 to 24-inch sewer crock two feet long) it lifts a float and starts the ejector. This pumps rapidly until the water level is sufficiently reduced. All working parts are above water and made of rust-proof brass and bronze. A foot valve in the strainer seals the suction pipe when drainer stops working so the pump is always primed. Pump outlet is piped to sewer or surface outlet by shortest route. Connection between electric line and motor switch is permanent.

(*Continued on page* 110)

BY APPOINTMENT TO H. R. H.
THE PRINCE OF WALES

Complexions that keep the first fair bloom of youth

IVE YOUR SKIN THE SAME LOVELINESS HAT HAS MADE ENGLISH BEAUTY FAMOUS

PERHAPS there is no lovelier thing in all this orld than the English girl at the age when she akes her curtsey to Their Majesties. There is n eagerness about her, a vibrancy and a freshess that no later time will ever quite recapture.

But her complexion, pink and white as porcein, delicate and fine, is proof against the unind years. Like eight generations of beautiful omen before her, she will protect it with the nest toilet preparations she can buy. They will e Yardley's, from that London perfume house mous since 1770 for its English Lavender, and ll of them are now available to you.

Yardley's English Lavender Soap, known as ie Luxury Soap of the world, will guard the lear beauty of the most sensitive skin. It is so oling and refreshing, so fragrant that it may e used as often during the day as you like.

Yardley's English Complexion Cream is the nly cream you will need to keep your skin as oft and lovely as a child's. It is cleansing agent, kin food and powder foundation, all in one. se it after your soap and water cleansing to enetrate the pores and free them of all disfigurng impurities. Use it at night as a nourishing eam to rebuild the relaxed tissues; and in the orning as a base for Yardley's Face Powder . . . filmy powder, light as chiffon.

Here in these three Yardley preparations you ave the entire secret of English beauty. And you would like to know about other Lavender oiletries, write for our free booklet, "Complexions ith an English Accent." Yardley & Co., Ltd., 452 ifth Avenue, New York City; in London, at 33 Old ond Street; also Toronto and Paris.



ARDLEY'S English Complexion Cream, to cleanse, nourish and otect your skin, and as a powder foundation. $1.50. Yardley's ice Powder in six skilfully blended shades. $1. Yardley's Soap r complexion and bath. Box of 3 cakes, $1, or 35c a cake. Bath size, 50c. Guest size, 6 in a box, $1, or 20c singly.



YARDLEY'S ENGLISH LAVENDER

YOUTH, all eagerness and vibrancy, should have a special perfume of its own . . . not the heavy bouquet or the exotic oriental flower. These would be as out of place for the debutante as the rope of pearls her mother might wear. But there is a fragrance that seems created just to express the fresh, sweet charm of youth. Yardley's English Lavender, delicate, winsome, lovable, has never had a rival in the English girl's affections. In its wistful fragrance is caught something of that eternal, questing spirit which is recognized the world around as the attribute, the inalienable right, of youth. Yardley's English Lavender Perfume may be had in bottles of various sizes, ranging in price from $15 to $1.



YARDLEY'S ENGLISH LAVENDER . . . THE SWEET, COOL, WINSOME FRAGRANCE THAT YOUTH HAS ALWAYS LOVED

Those who are born to it



The Buttercup

Spode's charming, hundred year old pattern, "Buttercup," is a concordance blended between the Georgian and Victorian Eras. It features a beautiful floral shape with scalloped edges and delicate tracery.

THAT superb tableware, Spode, is no recent development in the Art of Good Living. ¶Those born to an appreciation of the finer things of life have used Spode on their tables for more than 150 years. ¶Spode has been the favorite of Royalty and the choice of English and Continental aristocracy since the days of George III. ¶And today the name *Spode* on your China, be it a priceless antique or a comparatively inexpensive modern service, is a hallmark of distinction as valid as the *Sterling* mark on silver and as significant as the signature of a famous artist. ¶Your Spode service may be one, ten, or one hundred years old but any pattern—any piece—may be replaced *now* or at any time in the future. ¶The store privileged to sell Spode is a store worth knowing! May we send you the name of the dealer nearest you? Copeland & Thompson, Inc., 206 Fifth Ave., New York.

Spode

Concerning week-end guests

(CONTINUED FROM PAGE 37)

[illegible] well-up unexpectedly. The [illegible] use of good behavior is [illegible] no matter what the motive [illegible] I have been informed that I went sturdily to this Mother. "How long will your visit last?" I con[illegible] Frankness is a [illegible] and [illegible] its own reward. [illegible] for this mother let [illegible] remedially; but I [illegible] years that she punished me by extending the visit! Imagine the confessions that would underlie such a policy, were it applied to week-end guests. "Here," you could [illegible] I gave myself after Aunt Polly left—a torturous visit of [illegible] rides of safe, needless rides in the car, of useless shopping [illegible] "How's an [illegible] I gave myself when the doctor [illegible] and made it a [illegible] and appreciative reminder." On the other hand, there are some guests who should in like manner be rewarded. Your [illegible] may err too often of prowess; they need to be humbled. For the spirit of humbleness is the real spirit of the countryside. I [illegible] of a week-end guest who was possessed of the time-worn habit [illegible] and wiped up the [illegible] with one of the unwashed mortals. "You have done the village a public service," his host said at the station, as the train hove into sight. "We thank you!"

HEAVEN'S DAINTY

One [illegible] occasion my host [illegible] that the city. He made [illegible] of the prerogatives and self-constituted rights of a guest at his house in the country. "He's dear, but peevish," was the explanation. "No one watches the Rose garden more [illegible] than he. The buds and blossoms seem to be known to him individually. He [illegible] them. I believe [illegible] picked them without his permission, not even I. And another thing," my host added, "he likes to have his jokes appreciated. We all laugh at them, whether there's a point to them or not." I found this genial old man among his beloved flowers. His house [illegible] the scent of a million roses, for in front of many varieties. Nearby, a peacock preened [illegible] feathers and uttered his raucous call; in the near distance, two swans sailed with the ease of an ocean [illegible] equipped with Diesel engines. The vista was tremulous with the imminence of growing things. The old gentleman bore a silver pitcher in his hand; he was serving afternoon refreshments to his roses. He paused over a full blown flower dropping its petals and [illegible] up the shades of pink as a housewife would pick up the pieces of a much coveted lunch tablecloth. Politics and [illegible] ness blotted out the tyranny of this guest.

[illegible] valley is something to be guarded against on both sides. It may become an obsession by day to [illegible] habits. How many week-ends have I had to set through interminable talks [illegible] This is something a guest should take into consideration, for even while life in the country [illegible] and [illegible] casual, and sharp routine be banished, time has its limits and meals the regularity. There are chess tournaments where definite minutes are allotted for each play beyond which one dare not go without a move. I have seen talkative guests who have raised their fork to the mouth three or four times before the food was safely lodged there. I have wanted to shout with exultation at the termination of the trip. A steady flow of eating is as necessary as a goodly stream of conversation for a successful meal. I recall being told of two sisters who spent a week-end with one household. The table was signal for their reminiscences they talked at the same time, though not in unison or agreement, they had different styles of narrative; they remembered different details without which, to each, the story was pointless. Peas rattled on their forks, salad trembled in the atmosphere, ice cream melted in the spoon, all because of this meandering mood. Courses grew cold, the serving maids got hot, the host got uncomfortable. One wished for a dining metronome: One, two, three—ready; four, five, six—gesture to mouth; seven, eight, nine—chew; ten, eleven, twelve—swallow; one, two, three—remove dishes; four, five, six—[illegible] seven, eight, nine—the meal is over. The day calls outside and the week-end is not always young!

PERILOUS HOURS

I recollect hesitant moments at [illegible] week-ends where the real artist has wanted to rest quiet when you most relished the idea of his playing but dared not ask. On one occasion I heard a violinist say, "I will be delighted to come to dinner, but my violin never dines out!" I thought of this while sitting near a famed pianist who was one of a week-end party. We talked of motor cars when I knew that he had been a friend of Scriabin, and had Chopin at his fingertips. It was drawing toward midnight. The summer air was chill; scents from the garden filtered through the moonlight and flowers nodded waxen on the [illegible]. The leaves of the trees whispered [illegible] to one another, and faint noises from the fields proclaimed a sleeping countryside. Suddenly our friend sat at the piano, and his fingers moved. For two hours he thus sat, as though a tryst was being kept between him and sound. As each piece was ended he would talk aloud of friendships with the composers. Music and life were wedded that night. No one stirred; souls were on edge; ears were refreshed. It was one of those spontaneous joys that sometimes happen on week-ends.

The great difference between life and drama is that the latter sometimes has the advantage of rehearsal. We've all seen through the preliminary excitement of a wedding marching up the hall in solemn procession, reminiscent of tomorrow's church ordeal. But it is rarely that we act out a social thing preparatory to its happening, except in our minds. Yet, when you come to think of it, desired effects are only had through practise, and we might well put such an operation into

(Continued on page 112)

THE EIGHT AS BUICK BUILDS IT



Safe, Comfortable, Dependable

. . . the favorite fine car of modern women

The wide preference among women for the new Buick Eight leads to a natural question: "Why do more than half of all women who buy eights priced between $1000 and $2000 choose Buick?"

Safety, doubtless, receives early consideration. Thinking less of themselves, perhaps, than of their children, many women favor Buick because of the reliability of the Buick Valve-in-Head engine, the sturdiness of Buick's bodies by Fisher, the effectiveness of Buick's four-wheel brakes and the extra safety afforded by Buick's silent-shift Syncro-Mesh transmission.

Comfort is another deciding factor—especially the luxurious comfort which Buick offers in Fisher bodies insulated like a fine home against heat, cold and noise.

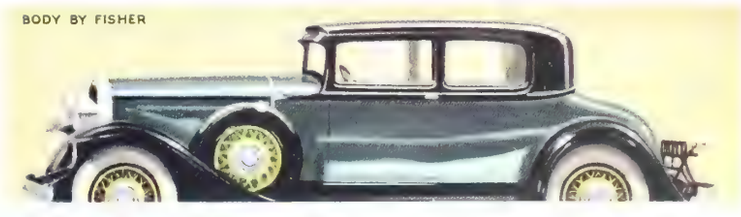
And, of course, most women realize how completely they can depend upon the all-round performance of the new Buick Eight. Thousands of women feel perfectly safe in making long trips alone in their Buicks, for Buick reliability is almost a tradition in American homes today.

These qualities, we believe, have made the new Buick Eight the favorite fine car of modern women.

Owing to their popularity, the present models of 1931 Buick Straight Eights will be continued throughout the coming summer and fall.

The new Buick Straight Eights, in four series and four price ranges, are offered in 22 luxurious models, from $1025 to $2035, f. o. b. Flint, Michigan. Consider the delivered price as well as the list price when comparing motor car values.

A GENERAL MOTORS VALUE



WHEN BETTER AUTOMOBILES ARE BUILT, BUICK WILL BUILD THEM

NEO-CLASSIC



Home builder, home modernizer, architect, interior decorator—all have welcomed the Neo-Classic form, newly created for "Standard" Plumbing Fixtures by a designer of preëminent authority. Like all of this designer's work, the Neo-Classic form is characterized by that artistic restraint which ensures permanent worth. Its individuality is grounded in the tradition of simplicity, a simplicity which is at once classic and modern. Here is a new decorative note in plumbing fixtures, which, because it is not over-emphasized, is a true part of the functional form and contributes appreciably to its beauty. You may have the Neo-Classic ensemble—bath, lavatory and closet—in white, black or any of eight colors of exquisite purity. The Neo-Classic fittings are finished in non-tarnishing Chromard. The Neo-Classic bath models are available in regular and Acid-Resisting Enamel; the lavatory and closet in vitreous china. A copy of the book "Standard" Plumbing Fixtures for the Home will be mailed on request, but only a visit to a "Standard" showroom can reveal the true beauty of the Neo-Classic designs.

Standard Sanitary Mfg. Co. PITTSBURGH

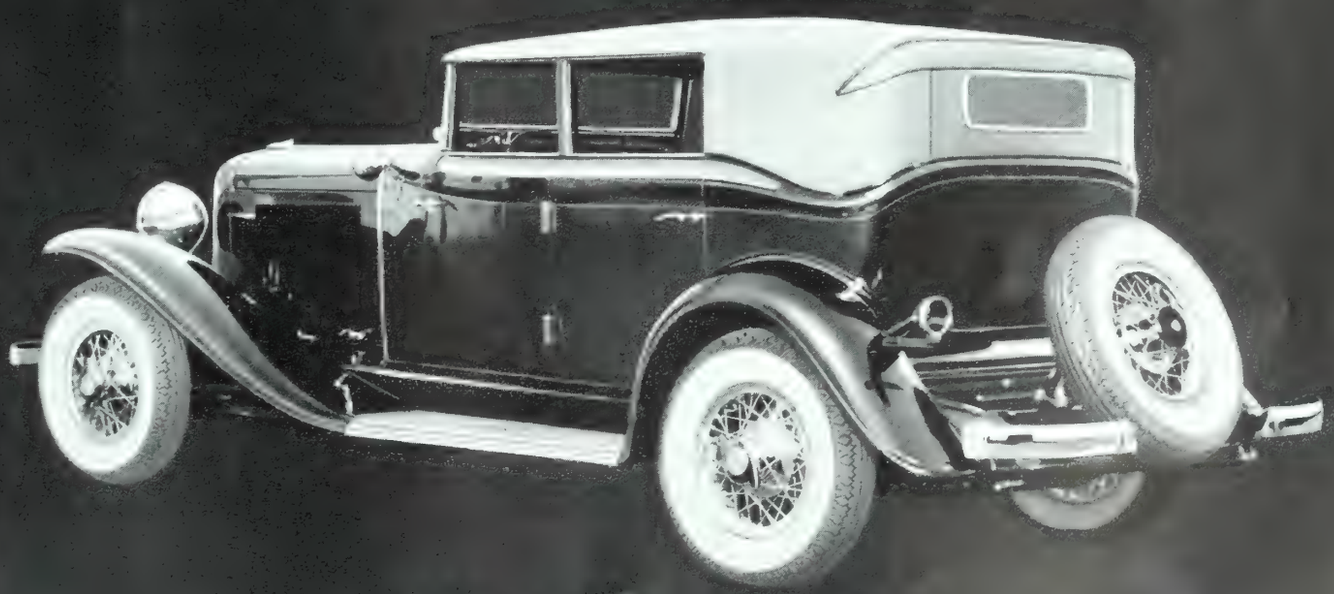
Division of AMERICAN RADIATOR & STANDARD SANITARY CORPORATION

"Standard"
PLUMBING FIXTURES





We are often asked why Auburn, the originator of designs, never advertises the exterior beauty of its cars. Because, we believe that basically an automobile is a machine for transportation; also that it is a very important investment. Structural strength, efficiency and endurance, and not outer appearance, are the fundamentals that determine value. The surface may attract, but it is the inner quality that holds the allegiance of Auburn's owners.



AUBURN

POWERED BY LYCOMING

The car illustrated above is the Five-Passenger, Convertible Phaeton Sedan. Silent-Constant Mesh in Standard Models. Also Free Wheeling in Custom Models

Custom models 8-98A: 5-passenger, 2-door Brougham $1145; Business Man's Coupe $1195; Convertible Cabriolet $1245; 4-door Full Sedan $1195; Convertible Phaeton Sedan $1345. All Custom Models include Free Wheeling. *Standard models* 8-98: 5-passenger, 2-door Brougham $945; 4-door Full Sedan $995; Convertible Cabriolet $1045; Convertible Phaeton Sedan $1145; Business Man's Coupe $995; All prices f. o. b. Connersville, Ind. *Equipment other than standard, at extra cost.* Prices subject to change without notice.

AUBURN AUTOMOBILE COMPANY, AUBURN, INDIANA

Swept into the limelight by International acclaim—



Perin Creations

OF DECORATED WROUGHT IRON

Furniture dealers and decorators throughout the country are now prepared to fill your orders for the new decorated iron furniture—conceived by BRADFORD PERIN, Pasadena artist, and wrought by hand in the Perin forges.

The remarkable vogue of these pieces is based upon two practical considerations: *First*, Perin metal furniture reproduces the best of 18th and 19th century design, with decorations of authentic style—it is actually lighter, more graceful, than its wooden prototypes. Genuine Perin products are distinguished by a form and finish which only masterly handwork can achieve.

Second, While the Perin creations add immeasurably to the charm of your Solarium or Terrace, the first hint of autumn will find you impatient to transport them indoors, where their warm colors and pleasing lines will suggest many agreeable uses.

PERIN'S, Ltd.

Pasadena, California

IMPORTERS OF ANTIQUES; MANUFACTURERS OF FINE METAL, WOODEN & UPHOLSTERED FURNITURE

[illegible] 581 Post Street [illegible]

Direct all Eastern Inquiries for Catalogues to W. & J. SLOANE, *New York City, N. Y. Wholesale Eastern Distributors*

On garden houses and outdoor studies

CONTINUED FROM PAGE 84

[illegible] "Temple of Friendship," with its Doric columns, and on the tri[illegible] over its doorway are engraved three letters, D. L. V., surmounted by a garland. On the parquet floor within these letters are repeated, inlaid at the center of a star raying out to the corners of the room, [illegible] fireplaces. At the entrance a column holds up an [illegible] on one side and on the other "a Venus in mossy stone bends down as though to wipe her feet [illegible] the threshold."

So writes the present mistress of this [illegible] in her fascinating book, *Pensées d'une Amazone*. And she continues to tell how her friends wonderingly remark to each other: "These were once the gardens of Racine and Champmeslé. . . . Queen Margaret once wandered here in talk with her philosophers. . . . Clairon is your ghostly neighbor. . . . Adrienne Lecouvreur died here. . . . Perhaps it was she herself who built this little temple to friendship. . . ." And so Miss Barney goes on dreaming, for this garden of hers is a fragment of the [illegible] garden of Rome, but the memory that persists most [illegible] is that of the beautiful and brilliant Adrienne, and how strange it is to think that [illegible] long ago [illegible] listened to the very tall, of her "friend, admirer and lover", Voltaire. This little room once heard his voice, once watched his strange, [illegible] and mobile smile. If only [illegible] phonograph of Pearls and Pearls had the quality of a dictaphone; if only those [illegible] tones could somehow have been captured on the fly!

HOUSES IN TREES

[illegible] but we [illegible] thought it as notable to [illegible] of our own. Tree-houses are perhaps the most fascinating, the most appealing to the imagination, of all out-of-doors retreats or studies. You sometimes come upon them in old English gardens, but the fault with those the present writer remembers was that [illegible] "so near the ground, only a short ladder's height above it. The thing is to build your tree-house as near the stars as possible, swaying up among the crows' nests, if you have crows in your garden. I was foolish[illegible] enough once to build such an eyrie, and, if the reader is not too grown-up, I strongly advise him to follow my example. Possibly, with one exception, it was the most delightful house I ever lived in. I was fortunate enough to have in my garden several oaks of great age and enormous [illegible] strength. One of these, the tallest and strongest, bifurcated in such a way about a third of its height from its top as to permit of its carrying a [illegible] foundation, each side of which measured about ten feet. On this I, village carpenter and I—[illegible] a [illegible] mind who aided and abetted me in my childish[illegible] raised a [illegible] structure with a peaked roof, with a strip of [illegible] on each side—windows which, though they did not, of course, possess the magic properties of those told of in the [illegible] presence in Morris's *Earthly Paradise:*

. . . through one wall was cool and bird, the spring,
And through another was the summer glow,
And through a third the fruited vines a-row,
While still, unheard, but in its wonted way,
Piped the drear wind of that December day.

did indeed, as one looked through them at that height, invest the familiar scenes of the countryside with a fascinating newness and strangeness as though seen for the first time.

My access to my fortalice of green leaves was made first by a rope ladder, which took me part way up, and which, by a device known only to myself, I could draw up and let down at my pleasure. This brought me to a [illegible] landing from which, after drawing it up after me and thus shutting myself off from all interruption, I mounted by two little stairways to the door of my "sacellum", as I called it, my little monkish chapel, wherein the windows were illuminated by sunlight falling through traceries of leaves and tenderly touching the backs of well-loved books on the shelves that ran round the walls, close to my hand as I sat at a table in a great arm-chair made out of the tree itself, and smoked a pipe and read or dozed or watched and listened to the little lines of birds and insects that shared with me my arboreal solitude.

AT TWILIGHT

When the sun set there was a lamp I could light which would bring hosts of painted moths fluttering against my windows, or I could sit on through the twilight, till the moon began to lay ghostly fingers on my book-shelves and I could hear the thin cry of the bats flitting outside, and an owl that lived in a neighboring tree would begin its long low call of love. And once, when I must have dozed in my chair, there came a soft tapping at my door, which opened gradually of itself, and a lovely face with eyes of moonlight looked in upon me, and a white form, like a lily stealing from its sheath, leaned against the door-post, clothed only in a robe of shining hair. It was, I said to myself, the dryad who lived in a secret chamber in the old tree . . . but before I could bid her enter, she was gone. A dream, of course, but only in a tree-house can you dream such dreams. What a wonderful place it is to sleep in, and as it gently sways to and fro in the night breeze, how lullingly it rocks you into forgetfulness. But it is a still more wonderful place to wake up in. O the dew and the lustral light, and the awakening sound and color of things, and all the aroused luxurious perfumes of the world! Everything preening and washing itself in the dewy glitter, and the morning star kissing its hand to the new day.

Speaking of that gentle swaying to and fro of my tree-house reminds me that I said just now that it was the most delightful house I ever lived in, with possibly one exception. That ex-

(*Continued on page* 112)

The greatest achievement in the history of sterling silver

"PALLADIANT"

(TRADE MARK)

GIVES INTERNATIONAL STERLING LASTING PROTECTION AGAINST TARNISH

"Palladiant". Here, in one word, is news that will free thousands of women from the old, old task of silver-polishing! For Palladiant is a remarkable new process which assures *lasting protection against silver tarnish.*

By the Palladiant process, International Sterling is given a protective finish of a platinum metal—*more precious than gold—a metal that will not tarnish!* With ordinary care, Palladiant will keep International Sterling lovely through the years—its lustre unmarred by tarnish.

Palladiant is the latest and greatest achievement of the International Silver Company—largest manufacturers of silverware in the world and creators of the only new idea in silverware design in centuries, *the new Viande knife and fork.* The Palladiant finish may be seen at your jeweler's, and may be had in the five lovely International Sterling patterns shown here—Minuet, Wedgwood, Fontaine, Orchid, and Pine Tree—and in all International Sterling hollowware and toiletware. Consult your jeweler to-day.





Think of having sterling silver hollowware free from tarnish! This graceful Minuet coffee service, Minuet bon bon dish, and the cigarette box are available in the new Palladiant finish which does away with rubbing and polishing. Only the occasional washing that you give glass or china, is required.

Important!—Due to the low price of silver bullion, reduced prices have been placed, for the time being, on International Sterling flatware—in the five lovely patterns shown here. A slight additional charge is made for the Palladiant finish, as the process is a costly one. Your jeweler can give you detailed information.

Send for the new Palladiant booklet—FREE!

Fine Arts Division, International Silver Company, Wallingford, Conn. H & G—1

☐ *Check the one you prefer.*
Please send me your free booklet which describes the Palladiant finish in full.

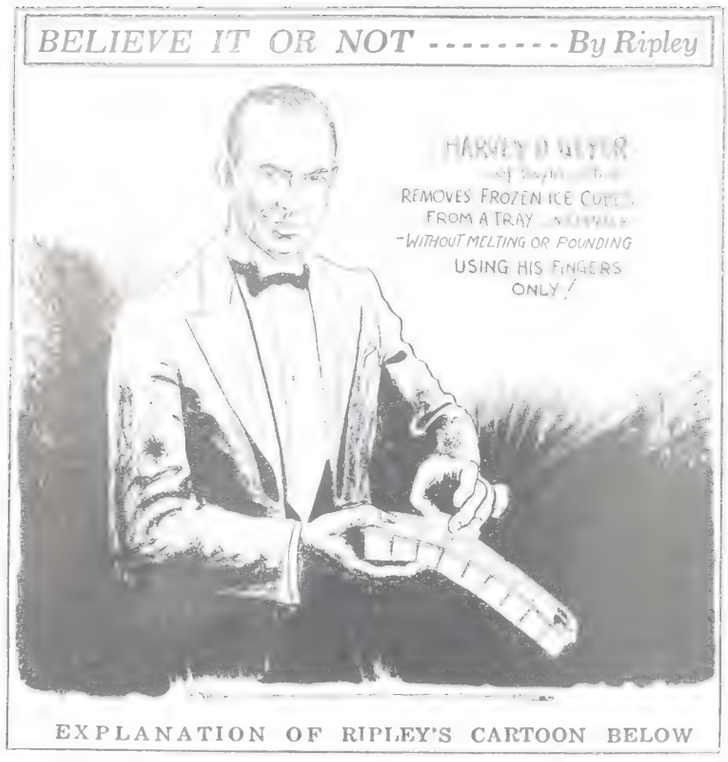
☐ Please send me your free booklet, as above, and Lady Mendl's 112-page helpful book—"Correct Table Service—Its Choice and Use", for which I enclose 25c.

Name _____

Street _____

City _____ State _____

Print name and address—plainly



EXPLANATION OF RIPLEY'S CARTOON BELOW

ICE TRAYS GO MODERN

Removing ice cubes is no longer a fussy, messy job. A slight pressure "pops" them out of the new flexible rubber freezing trays—one, two, or a trayful,—instantly from tray to glass.

AS CONVENIENT AS A SELF STARTER

Finger tip pressure ejects the cubes—no longer is it necessary to melt cubes into the sink—no need to pound them out and ruin trays and temper.

THEY'RE ECONOMICAL, TOO

Take out only what you need . . . save the rest. The cubes are not partially melted . . . they are colder, larger, dry, clean and sharp-edged. You actually use fewer cubes.

NOW USED BY ALL LEADING MANUFACTURERS

Flexible rubber ice trays are now supplied by all leading automatic refrigerator makers—and these trays are enthusiastically endorsed by household economists.

MAKE YOUR REFRIGERATOR MODERN

An inexpensive flexible rubber ice tray is made to fit every automatic refrigerator—the Quickube Tray for Frigidaire—the DuFlex for General Electric—and the Flexotray for Westinghouse, Kelvinator, Leonard, Electrolux, Servel, Copeland, Universal and others. See your refrigerator dealer or write us direct.

THE INLAND MANUFACTURING COMPANY
Department M, DAYTON, OHIO

Flexo Tray
THE MODERN WAY

Ornamental garden lead-work

(CONTINUED FROM PAGE 64)

...rchitectural work, hammered, incised, and gilded. In the Merovingian period in France its use was lavish, and in Saxon England it was foremost, as England then furnished most of the lead for European ... and other uses.

England's most characteristic use of ... since the Middle Ages has been for ornamental pipe-heads, which are outstanding for variety and excellence, a constant challenge to modern architects. Not a little gilded lead-work graced the palace of Henry VIII which, with characteristic English modesty, he called "Nonsuch;" and doubtless this lead was further enriched by typical Renaissance scrolled designs, a fashion then recently brought to England by Italian artists.

PLUMBER'S ART

Lead was silvered with tin in England, as well as gilded, and it was also painted and pierced in various patterns. But the art of the plumber—the worker in *plomb*, or lead, was really an art and not a mechanic's job as it is today; for well into the 19th Century the making of lead statues was still a profitable portion of the plumber's work. These statues had ... destinations ... the mind for a roof, variously posited on a church spire, topping the posts of entrance gates, placed boldly on an inimitable English lawn, completing a charming garden vista, commanding a fountain ... set on a pedestal ... statue to honor some great name. Perhaps the most appealing ... of lead to our ... taste are the ... highlights ... stair balusters, and various panel decorations in the Adam style where the ... of the cast lead well interprets the classic design in low relief, or the detached swags, the ovoid urns, ... and other motifs which are so well worked out in this gilded metal.

Though England was early famous for her art in this medium, France led the world in the days of Louis XIV, and the splurge of gilded lead only widened the sway of the gilded metals for which the more costly work in *ormolu* and *bronze doré* set the vogue. Records ... [illegible] of the exact amount paid for the lead which went to the casting of the figures and the work on these figures in the Labyrinth at Versailles; the masques, consoles, and figures for the *cabinet octogone*, etc. Tuby, the sculptor, in 1678 received 1800 livres for some lead bas-reliefs, and in 1679 Hutinot and La Perdrix received 14,800 livres for the ornaments at Versailles. Yet this same Louis XIV melted up 32,000,000 pounds of artistic lead-work, stripping France less clean of such work, however, than he did of her silver plate, ... of which went to fill his melting pot for war. America did her full share of this kind of destruction, not always with the patriotic fervor with which the equestrian statue of King George III was hauled down from its pedestal on Bowling Green in New York and taken in great chunks up to Litchfield, Connecticut, to be melted into bullets to fire at the King's soldiers. In the 19th Century, with less violent action but with equal fervor, were innumerable old English lead statues brought into America, free of duty as works of art, and melted into very effective leaden bullets in our own melting pot of war.

French work was usually cast when the ornament appeared in relief, but otherwise it was typically hammered for all *repoussé* ornament, as the *repoussé* work, especially in foliage, was finer than the casting. The Gothic statues were worked in *repoussé* from sheet metal beaten over a carved wooden core, which made a much lighter figure than in the later cast metal. Of the French artists, François Girardon (1628-1715) made the immense Fountain of the Pyramid, in the basin of which are three man-sized sportive tritons. Mansart designed the Trianon fountain, known as *Le Buffet*, with lead sculpture by Van Clève and others. In Le Nôtre's plan for the park at Versailles there was ample use of lead in the fountains, statues, and mythological groups. The group of Apollo and his chariot at the foot of the *tapis vert* was clearly designed to be made of lead.

Germany, as early as the 15th and 16th Centuries, had achieved much creditable work in lead, as witness the great clock in Nuremberg with its figure of a town herald, and the many town fountains of later date.

LONDON LEAD-WORKS

In England, William III, facetiously known as the "King of Lead Statues," from his frequent portraits in lead, brought John Van Nost from Holland to set up his lead-works in Piccadilly, where they long flourished. Dickenson, too, was working in Piccadilly, and by the mid-18th Century both Manning and Carpenter had lead-works in London, so that great quantities of statues and garden ornaments were produced. An old English garden even today may boast a score or more of these 18th Century works of art in lead.

Peter the Great of Russia had groups of animals taken from *Æsop's Fables* in the Labyrinth of his formal garden. A catalog of works in lead would be only less formidable than one of works in bronze, for casts of most of the classic figures known to the 18th Century were re-cast in the metal. A résumé of well-known subjects is only surpassed by a list of the articles which have been made of lead all through the years, since the Middle Ages.

...a Sport...a Hobby...an Art!

—making your own Movies with this

$75 Ciné-Kodak





The fun of making a movie is followed by the repeated pleasure of seeing it, whenever you wish, on your own silver screen at home.

UNTIL you aim a Ciné-Kodak and press the lever, you have no idea how exciting it is to make your own movies.

Whatever you see before you in the finder is caught by the film . . . clear and lifelike.

Baby's endearing tricks, the winsome play of expression on a loved one's face, tingling moments in a thrilling game—Ciné-Kodak gets them all . . . keeps them for you . . . in action.

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And with Ciné-Kodak, it is so easy. Into this compact little camera Eastman has concentrated all the essentials of movie-making. Ciné-Kodak, Model M, is the simplest camera made and the lightest that loads with a full 100 feet of 16 mm. film. No focusing. Always ready for the emergency shot.

Developing, done by Eastman experts, is included in the price of the film.

Look into this fascinating sport . . . hobby . . . art. Let your dealer show you the $75 Ciné-Kodak (Model M) and the kind of movies it makes. Kodascope projectors as low as $60. Easy terms, if you wish.

MAIL COUPON FOR FREE HOME MOVIE BOOKLET

EASTMAN KODAK COMPANY · ROCHESTER · NEW YORK

Please send me FREE the illustrated booklet telling me how I can easily make my own movies.

Name _____ Street _____

City _____ State _____

H.G. 6

Ciné-Kodak...*Simplest of Home Movie Cameras*

What new beauty is brought by "Kane Quality" VENETIAN BLINDS!



and more important still, a comfort control of light and air that nothing else provides . . .

[illegible] weather [illegible] here. You want all the cool, breezy comfort [illegible] but not the glaring sunshine. How to obtain the one and bar the other is a problem in home comfort that only Venetian Blinds can solve. The shades [illegible] that your every whim may be satisfied. Lift [illegible] room in shadow; lower [illegible] keep out intruding eyes and [illegible] And they keep out sun without being seen.

But that is not all. "Kane Quality" Venetian Blinds are [illegible] in any color. What [illegible] the [illegible] to harmonize with [illegible] Such windows [illegible] Ask [illegible] touched [illegible] will be [illegible]

The coupon below will bring you prompt, full information, with lovely pictures in color, about "Kane Quality" Venetian Blinds and [illegible]

SINCE "Kane Quality" 1890

KANE MANUFACTURING COMPANY
Kane, Pennsylvania

[illegible]

[illegible]
Dept. G-6, Kane, Pa.
Please [illegible]

Name [illegible]

Address [illegible]

A house that grows with the years

(CONTINUED FROM PAGE 50)

in the bays, being French doors, open [illegible] becomes a summer living room that [illegible] with colorful wicker [illegible] furniture.

[illegible] with the structure of the house and [illegible] Except [illegible] mention is made of the interior decorations [illegible] These will [illegible] Nor [illegible] the problem of costs [illegible] a rather wide view [illegible] the plans and specifications [illegible] submitted to architects and contractors in New York, Boston, Atlanta, New Orleans, Cleveland, Chicago, Kansas City and Los Angeles for approximate construction figures. The estimates are based on several kinds of construction—common brick veneer, whitewashed, stone whitewashed, stucco over hollow tile, stucco over expanded metal and shiplap. The cubic contents of the original structure is 24,315 cubic feet and the two additional wings 15,685 cubic feet more.

Listed below are the figures furnished from representative sections of the country. In every case the cost is given for both the first and second versions of the house.

NEW YORK REGION

LEIGH FRENCH, JR., *Arch.*

	Original House	*Completed House*
Brick veneer	$12,157.50	$20,000.00
Brick, solid	13,373.25	22,000.00
Stone	13,373.25	22,000.00
[illegible]	11,671.20	19,200.00
[illegible]	11,184.90	18,400.00

BOSTON REGION

HOSMER & FRENCH, *Archs.*; CHESLEY S. PATTEN, *Builder*

Original House (including fence & rough grading)		*Completed House*
Solid brick, whitewashed	$17,500.00	$32,400.00
Rubble stone, whitewashed	17,800.00	33,000.00
[illegible]	17,100.00	31,500.00
[illegible]	17,350.00	32,050.00
[illegible]	16,950.00	31,150.00
Wood siding, painted	16,800.00	30,800.00
Flagging, wall, pergola and rest of grading		$9,000.00

CLEVELAND REGION

DUNN & COPPER, *Archs.*; DUNLOP & JOHNSTON, *Builders*

Original House		*Completed House*
[illegible] brick veneer	$15,651.00	$25,500.00
Brick on hollow tile	15,561.00	25,500.00
Stucco on hollow tile	15,561.00	25,500.00
Stone veneer	16,294.00	26,700.00
[illegible]		$3,500.00

CHICAGO REGION

RUSSELL WALCOTT & ROBERT WORK, *Archs.*; ROBERT BLACK CO., *Builders*

Original House	*Completed House*
Common brick, whitewashed $18,235.00	$30,000.00
Stone, whitewashed 19,452.00	32,000.00
Stucco on hollow tile 18,041.00	29,750.00
[illegible] 17,993.00	29,500.00
Shiplap 17,993.00	29,500.00

KANSAS CITY REGION

J. C. NICHOLS INVESTMENT CO., *Builders*

Original House	*Completed House*
[illegible] brick, whitewashed $13,500.00	$24,300.00
Brick veneer 12,850.00	23,130.00
Stone, whitewashed 15,000.00	27,000.00
Stucco on hollow tile 13,000.00	23,500.00
[illegible] 12,000.00	21,000.00
Shiplap 12,000.00	21,000.00

ATLANTA REGION

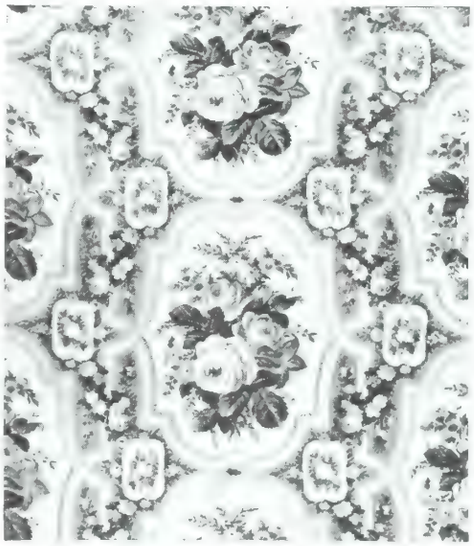
[illegible] & SCHUTT, *Archs.*; COLLINS, HUDBROOK & COLLINS, *Builders*

Original House	*Completed House*
Brick veneer $12,141.00	$21,258.00
[illegible] 12,563.00	21,562.00
Stucco on hollow tile 12,432.00	21,397.00
Stucco on expanded metal 12,353.00	21,372.00
Shiplap 11,853.00	21,002.00

(*Continued on page 96*)

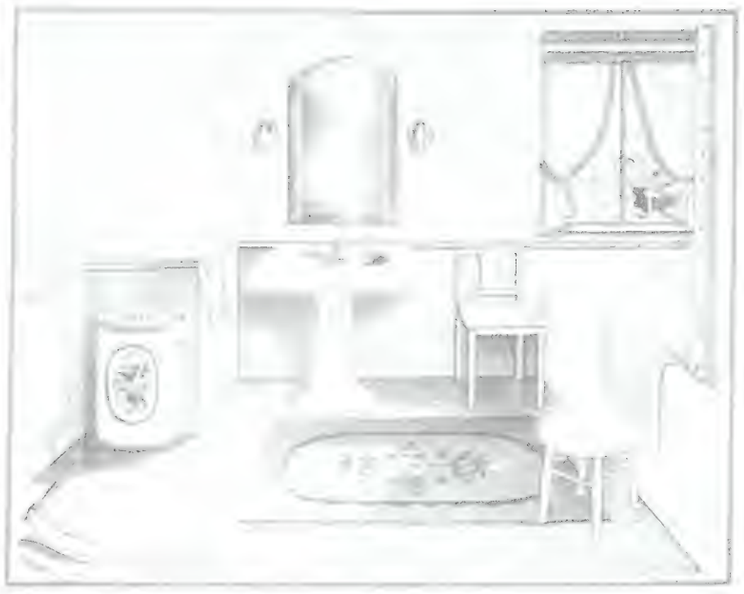


A printed
LINEN *with*
a Victorian
flavor . . .



ubtle, exquisite colors . . . and a floral design of indescribable charm . . . contribute to the distinction of his splendid Schumacher production. In printed linen or glazed chintz, it will be a most effective choice for ne draperies or furniture coverings in various decorative schemes—particularly in those which reflect the est elements of the Victorian period. Schumacher Fabrics are sold exclusively through decorators, upholerers and the decorative departments of department stores. Offices at 60 West 40th Street, New York. Other offices also in Boston, Chicago, Philadelphia, Los Angeles, San Francisco, Grand Rapids, Detroit.

F. SCHUMACHER
& COMPANY



Now ~ the cheeriest room in the house . . . and it cost so little to change it

by Sarah Stevens

IF you have ever wondered how to make an all-over white bathroom cheerful, colorful, modern, look again at the fascinating little bathroom above. It *was* nothing but an average, every-day, white bathroom. In one respect only was it badly out-of-date. The toilet seat had long ago served its time.

But you are interested in how this charming effect was achieved. First of all I changed the old toilet seat. *What an improvement this one change made!* At a convenient plumbing store I selected a lovely new Church Seat in attractive shell pink, installing it myself in ten minutes.

Immediately the toilet that had looked so shabby and worn became modern, clean, beautiful. Church Seats, you know, can be had in almost any color you wish. And they are so reasonably priced. Church Regal Seats from $5.00. Church DeLuxe Seats in Sani-White begin at $9.00. In lovely Pastel tints from $10.00. In rich, Sea Pearl colors from $15.85*.

. . .

For the walls I selected a lovely turquoise blue paper dotted with bright pink and white roses.

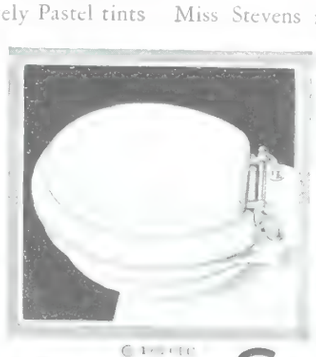
At the window—curtains of shell pink organdie with turquoise blue ruffles and tie backs. The shower curtain is in the same soft shade of pink while the soft blue bath rug is decorated with pink, yellow and lavender flowers.

With the exception of dainty accessories and one's own good sense of arrangement, that is all there is to beautifying your bathroom this easy, inexpensive way. And I know of no better beginning than a colorful new Church Seat, adding, if you wish, a useful Church Bathroom Chair or Stool—the latter only $8.00*.

. . .

You really should see this charming bathroom in color, so do let me send you "Modern Bathrooms for Old" with plans, color schemes and descriptions of eight different bathrooms that will aid you in making *your* bathroom as beautiful, as modern as you wish it to be.

Miss Stevens recently finished this helpful book on bathroom modernization which is beautifully illustrated in full color. The coupon below and 10c to cover mailing costs will bring you "*Modern Bathrooms for Old*".



Church Regal Seats, \$5.00 and up. Church DeLuxe Seats, \$9.00 and up. Prices slightly higher in Canada, Mexico, Cuba and Hawaii.

CHURCH *sani*-SEATS

MODERNIZE AND BEAUTIFY YOUR BATHROOM

Sarah Stevens, Dept. C-4, The Church Manufacturing Co., Belvidere, Mass.

Kindly send me your new book on bathroom decoration. I am enclosing 10c to cover mailing costs.

Name

Street

City

A house that grows with the years

(CONTINUED FROM PAGE 94)

LOS ANGELES REGION

ROLAND E. COATE, *Arch.*; ERIC BARCLAY, *Builder*

	Original House	*Completed House*
Concrete, rock, whitewashed	$13,000.00	$22,000.00
Stone, whitewashed	14,000.00	23,600.00
Stucco on hollow tile	13,000.00	22,000.00
Stucco on metal lath	12,000.00	20,250.00
Shiplap	11,750.00	19,750.00

Grading, fence, etc., $2,000. With brick wall, $3,500.

NEW ORLEANS REGION

CHAS. R. ARMSTRONG, *Arch.*; C. N. BOTT, *Builder*

	Original House	*Completed House*
Brick veneer	$10,704.90	$20,653.35
Shiplap	10,306.60	19,974.65
Stucco on metal lath	10,330.40	20,016.85

How to make a garden waterfall

(CONTINUED FROM PAGE 45)

waterfall, forming the foundation for the rocks, and the actual placing of the rocks. Since many estates, both large and small, have a stream of some sort flowing through the property, this type of waterfall is the one that could be most easily reproduced, even by an amateur gardener.

Weather-worn, mossy rocks which have been exposed for many years are undoubtedly the best kind to use, but since these are sometimes difficult to secure very good results may be obtained by using rocks straight from the quarry, for it is surprising how quickly mosses and lichens grow over them, softening and beautifying the effect of even freshly quarried stone. Soft sand-stone or rocks which would disintegrate under the action of frost and water should, of course, be avoided. And it is equally important that the rocks selected should be of one geological formation, as it would not look well to use in close proximity such rocks as granite, limestone and trap-rock, for instance.

If possible select large rocks! But if expense is a consideration it is well to choose rocks which can be handled by two or three men. Rock which is more or less stratified gives the best effect.

In laying the rocks few rules can be given. Leave behind plumb-bob and square, and avoid placing the rocks too much in regular staircase effect. In fact all rocks should be placed as nearly as possible on their "natural bed", for if they are placed on end or at unusual angles an unnatural and artificial appearance is given to the completed work. The placing of every stone must be a matter of judgment, must be supervised, as laborers cannot be expected to have any idea of the ultimate effect required, and if left to themselves for even a short time will give to the work a stiff, unnatural appearance. It is also necessary to fix each rock securely so that children will not dislodge them in their play. Otherwise, a serious accident might occur. Wire all cement used in binding the rocks must be kept out of sight as much as possible. Before it gets quite hard, the surface of any cement which remains exposed should be scratched with a piece of wood, as camouflage.

After the rocks are placed, it will be necessary to do a certain amount of grading to the banks. For the top twelve inches or so, use only good loam so that planting may be carried out successfully. And it is desirable to place a few rocks here and there on the banks, as well as at the edge of the stream, in order to imitate a natural outcrop of rocks.

The making of a waterfall can be compared only with the creation of a picture, not with pigments on an artist's canvas, but with the actual materials of nature. Therefore, to complete the picture realistically, a certain amount of planting should be carried out. This planting material must be, of course, most carefully selected, so that it may be appropriate and natural to the background. And this will exclude, naturally, all plants of an exotic nature.

If evergreen plants are required such subjects as native Rhododendron and Mountain Laurel are suitable, to which the native Azaleas are a splendid addition for their color. Hemlock trees always look well by a stream, together with a few small flowering trees, such as Hawthorn, Dogwood and Halesia.

Ferns are always appropriate, as well as such moisture-loving plants as False Solomon's Seal, Virginia Bluebell, Water Forget-me-not, and Water Buttercup. Right at the water's edge the water-loving Iris can be planted, both the blue and yellow varieties, while a little higher up the bank masses of Siberian Iris create a wonderful effect at their blooming. Large drifts of Daffodils and English Bluebells should be planted in the autumn to give color for the spring. The Daffodils are particularly appropriate near the water where they delight in "tossing their heads in sprightly dance" to every breeze that blows.

After the planting is completed, the areas of soil not planted should be given a final raking, and grass seed sown. Then pray for a shower of rain! If your prayers are ineffectual you may have to resort to a hose pipe. But if the work has been carefully carried out, the realistic appearance of the waterfall should improve with the passing of time, as the rocks become moss-covered and weathered, and the planting grows more beautiful to behold.

Softly twilight steals across the floor . . .



and if this is your room and the floor your own design, why shouldn't you feel just a wee bit proud?



Squares of Blue Linoleum No. 43, framed by Linostrips of Plain Red Linoleum No. 40, form the floor for this slumbertime room

THERE'S a pleasant thrill as you sit back and watch the sun's last light throw shadows into that room you call your own. This room *is* you! It came out just the way you planned it. Everything in it expresses your own ideas. Particularly are you proud of the floor. What a happy inspiration to fashion it yourself with plain colors of Armstrong's Linoleum.

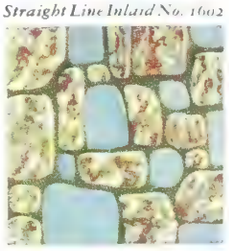
It did look a bit difficult when you first read about the idea. How simple, after all! Even though you never could draw a straight line, you *did* know what your favorite colors were—and found them in Armstrong's Linoleum. Then it was merely a matter of telling the merchant just how you wanted them combined. Clever, too, the way those experts installed the floor in less than a day. Watching them trimly tailor it to every nook and cranny and deftly cement it in place over linoleum lining felt made you understand just why Armstrong Floors are called permanent.

Is it any wonder you are now planning to have Armstrong's Linoleum Floors for every room in the house?

* * *

Why not make this pleasant experiment in your own home? You can begin it right now by sending for the new ***"Home Decorator's Idea Book"***—just published. Then see the floors pictured at local linoleum, furniture, and department stores. Ten cents (Canada, 20¢) in stamps brings this color-illustrated book promptly. Address Armstrong Cork Company, Floor Division, 942 Mulberry Street, Lancaster, Pa. (Makers of cork products since 1860)

Straight Line Inlaid No. 1602



Armstrong's Ⓐ *Product*

Armstrong's Linoleum Floors

FOR EVERY ROOM IN THE HOUSE

PLAIN · · INLAID · · EMBOSSED · · JASPÉ · · PRINTED · · *and* ARMSTRONG'S QUAKER RUGS



* *In period homes* *

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Lend Authentic Charm

Combining Beauty, Durability and Economy

UNITED PLYWOOD CORP 1930 UPLYCO

WHAT is more characteristic of Early American homes than their sturdy plank floors . . . in uneven widths and lengths? Reminiscent of days when the size of a plank was determined by the tree from which it was hewn, random width floors lend authentic charm to period homes of today.

"UPLYCO" plank floors, of three ply hardwood construction, afford maximum beauty, durability and economy. Uniform in thickness . . . accurately tongued and grooved on edges and ends, they effect an important saving in time and labor cost.

Ask your local dealer, or send direct, for full information on "UPLYCO" plank floors.

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Address inquiries to Flooring Division, Portsmouth, O.

GREAT PICTURES OF EUROPE. By Thomas Munro. New York: Brentano's.

"THIS is a short introduction to the appreciation of painting." So Mr. [illegible] opens his Foreword. We would [illegible]

Starting with England, the book leads the reader, or better yet, the tourist, through France and Spain to Italy and up through Austria, Germany, Belgium and Holland into Russia. The foreword states that the pictures shown there are an even [illegible] and the many others mentioned are not selected as the best pictures in Europe, which would be an expression of the writer's personal [illegible] but that the list has been [illegible] looking to both quality and [illegible] many examples of the work of minor artists being included to [illegible] of many men.

"The book," the author says, "will [illegible] useful, it is hoped, not only as a guidebook for travelers, but for students in this country, as a critical survey of the main types and traditions in the history of art." Our guess is that Mr. Munro's hope will be realized.

The captions of the pictures will be found very helpful to anyone with a [illegible] interest in art appreciation, and while [illegible] these indexes are very comprehensive and delightfully [illegible] to [illegible] we have been so fortunate as to have been [illegible] with the great galleries of Europe. Mr. Munro adds much to us to a renewed appreciation of many old friends.

Personally we think that a quarter [illegible] Lear in front of Rembrandt's [illegible] is worth a journey from New York to Amsterdam—yes, even including all the nuisance of obtaining passports—and we shall take the [illegible] opportunity.

The "Questionnaire for Picture-analysis" contained in the Introduction, for use in analysing pictures from the standpoint of form, is extremely valuable. The questions to be [illegible] of oneself while looking at a picture are a good aid to systematic observation and in enabling one to unfold a growing appreciation of pictures by noting their points by point.

The Questionnaire includes "A. First Impressions of the Picture as a Whole. B. Line. C. Light and Dark. D. Color. E. Mass. F. Space. G. Unity of Design."

The Introduction contains also "An Outline of the History of Painting" [illegible] G. G. G.

THE CARE AND REPAIR OF THE HOME. By Maurice B. Phelan. New York: Doubleday, Doran & Company.

EVEN to those of us who have never had a private residence and know something of its disrepair the number of things Mr. Phelan says a house can have the matter with it is astounding. From the foundation walls and basement to the exterior of the roof he covers all the various [illegible] of a house of wood, brick, stone or stucco possibly could develop.

Among the several and many subjects in the various sections or chapters, we find Heating Equipment, Remedying a damp or wet cellar, Repairing cracks and rejointing joints, Removing efflorescence from wall surfaces, Repairing a leaky roof (and tools of all kinds are handled—even "Safety Measures" in working on a roof are covered—), What to do when a door binds or sticks, Installing storm doors and windows, Repacking a leaky radiator valve, How to mend a crack in a stove, Repairing a leaky faucet, Painting—stucco, concrete, brick, stone, plaster and metal work—, Repairing an electric door bell, How to stop creaking floors.

These are a few of the many things told concisely and simply but adequately covered by thirteen chapters. There is a fourteenth chapter on "Closing the House," and another on "Other Sources of Information," which contains a list of both free and inexpensive pamphlets issued by trade associations and by the Government upon such subjects as Brick, Clay Products, Concrete, Electrical, Floors and Walks, Gas, Heating and Ventilating, House Plans, Insulating, Landscaping, Lime, Painting and Decorating, Plumbing, Refrigeration, Roofing, Sand and Gravel, Small Dwelling Construction, Water, Wood and Lumber.

The Appendix has a list of Tools and Supplies, a Glossary, a Check List to go over to catch "damage and decay before they become serious." G. G. G.

ROSES. By F. F. Rockwell. New York: The Macmillan Company.

MR. ROCKWELL'S reputation for writing practical garden books and articles has never been more clearly justified than by this new volume, the latest of a uniform series of handbooks on special classes of plant material and their uses. Himself an amateur with many years of varied experience, he has the knack of writing straightforwardly for other amateurs. *Roses,* together with its preceding companion volumes and those others which we hope the future will bring, fills its particular niche admirably.

At the outset the author clarifies what is to many people a confusing subject by dividing Roses according to their use: garden forms, climbers and those which are most valuable for their landscape effects. He describes all the usual types and varieties and makes specific suggestions for their greater enjoyment about the home. Further sections take up practical care and culture, planting, propagation, protection from insects and diseases, and varieties for different parts of the country and for many special purposes. The text is adequately illustrated with photographs and sketches.

Roses is not written for the expert or professional grower, but for the home owner who likes to dig in the soil and so enhance the beauty, pleasure and value of the home property. It throws a clear light of guidance upon what deserves to be one of the most successful and widespread as well as inherently appealing forms of garden.

R. S. L.

(*Continued on page* 104b)



Who says brides are hard to give to?



HARLEQUIN—Gay and new, answering the need for a design refreshingly modern, but not in the least bizarre.

LOTUS—The sacred flower of ancient Egypt, conventionalized in a design that is distinctly new.



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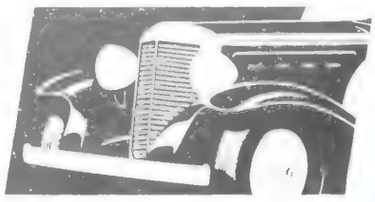
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To describe, one by one, the many essential

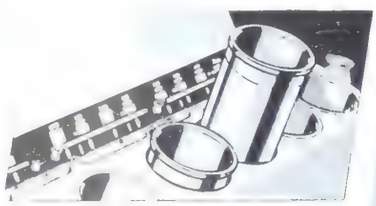
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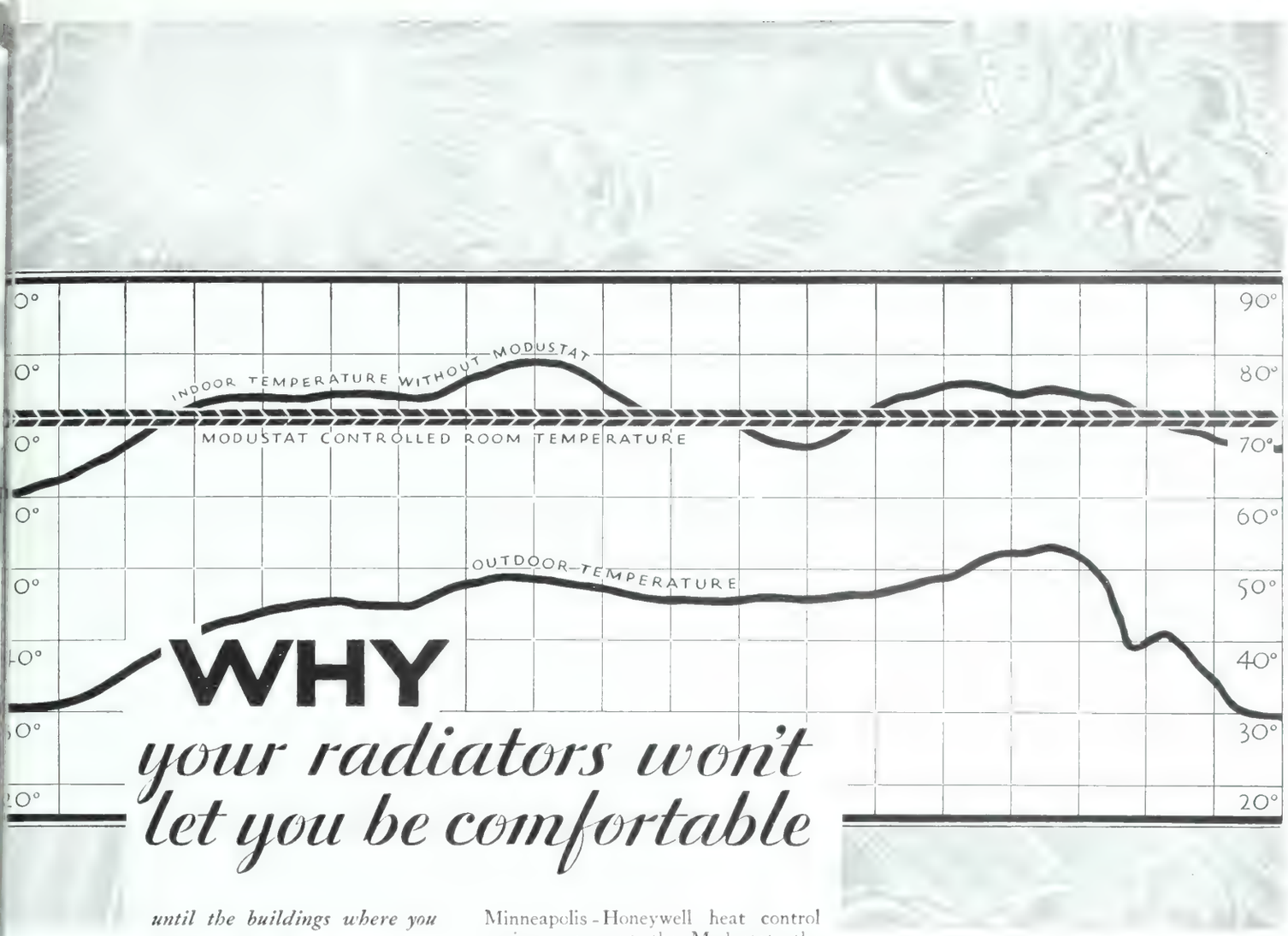
ous cushions and upholstering. The modern note in every fitting and interior detail.

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be most interesting and instructive. Now on display at leading Marmon establishments throughout the country. Wheelbase, 145 inches. Prices, beginning under $5000 at factory.

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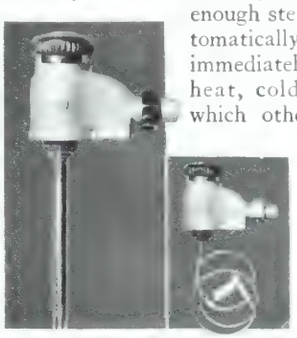
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Here is charted the indoor and outdoor weather history of a typical early spring day: the history of your discomfort if you work or live in a large building not equipped with the Modustat automatic orifice system of individual room temperature control.

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The Modustat is made in two models—one for the control of exposed radiation, the other for concealed or cabinet radiation. Both equipped either with hand wheel or key lock.

Minneapolis-Honeywell heat control engineers present the Modustat, the first thoroughly satisfactory system of automatic temperature control for individual rooms of large buildings.

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Japanese gardens to see abroad

(CONTINUED FROM PAGE 62)

Osaka or Kobe via San-yo main line railway. Fine and typical 10 [illegible] Japanese landscape garden, [illegible] Marquis Asano.

• Miyojima, Hiroshima Prefecture: 169 miles from Osaka, 578 from Tokyo. From Kobe via San-yo line, or from Osaka by steamer—fine trip. One of the "scenic trio" of Japan. An island shrine known for its great historical and natural scenic beauty.

• Ama-no-nashidate ("Heavenly [illegible] Kyoto Province: 82 miles from Kyoto, 115 from Osaka. [illegible] narrow sand bar with magnificent old Pine trees. One of the famous "scenic trio." Hikone, Shiga Prefecture: Reached from Kyoto via Otso. Famous "dry landscape" garden. Kamakura, Kanagawa Prefecture: 14 miles by rail from Yokohama: Charming village with hospitable inhabitants and lovely li gardens.

• Nikko, Tochigi Prefecture: miles from Tokyo. Famous for arc tecture and mountain scenery. Am noteworthy features are the Cryp meria Avenue, 22 miles long; the R Lacquer Bridge, sacred to all but t Emperor; the ornate, richly carv Temples; the Abbot's Garden; La Chuzenji and Kegon Fall.

• Nuto, Ibarahi Prefecture: miles from Tokyo via Inn Shibata Here is Kairaku-en, one of Japa three most noted gardens; a pub park since 1873. Most famous f Plum blossoms.

• Matashima ("Pine Island" Mijigi Prefecture: 241 miles by r from Uyeno Station, Tokyo. T third of the "scenic trio." Very pi turesque.

German gardens to see abroad

(CONTINUED FROM PAGE 63)

[illegible] apply gardener. Schloss Neuwied, [illegible] Prince Wied (open to visitors when residents absent).

• Monrepos, near Altwied, property of Prince Wied. Abbey of Laach, Cloister-garden. Schlossgarten in Nassau, property of Count Kanitz, apply at the Rentei. Schaumburg, [illegible] property of Prince of Wied, apply Post Office. Schlosspark, Oranienstein, near Diez, Duke Adolf Weilburg on the Lahn, Grand Duchess of Luxemburg, owner, admission 1 mark.

• Schloss Ostenwalde, owner, Freiherr Ernst Vinke, private. Dietrichs[illegible] Schlosspark Karlsberg, near Homburg (Pfalz-Zweibruecken). Trippstadt, near Kaiserslautern (Pfalz), open.

• Biebrich on the Rhine: Residenz-schloss of the Duke of Nassau, [illegible] possession of the Grand Duchess of Luxemburg; admission 50 cents. Essen: Statgarten, Margareten Ho[illegible] Kaiser Wilhelm Park, Krupp Waldpark—all public. Bonn: Hofgarten, public; Kaiser Wilhelm Park. Koblenz: Schlossgarten, public; Victoria Garten, across the river.

• Geisenheim on the Rhine: Royal Rose gardens and orchards, state property, not public; Horticultural academy of the Prussian State. Hattenheim on the Rhine: Schloss Reichardtshausen, large park. Koeln: Statgarten, Volksgarten, Sued Park, Rhein Terrassen—all public. Dortmund: Kaiser Wilhelm Hain, public. Detmold: Palace gardens, open to visitors. Haemelschenburg. Schlosspark.

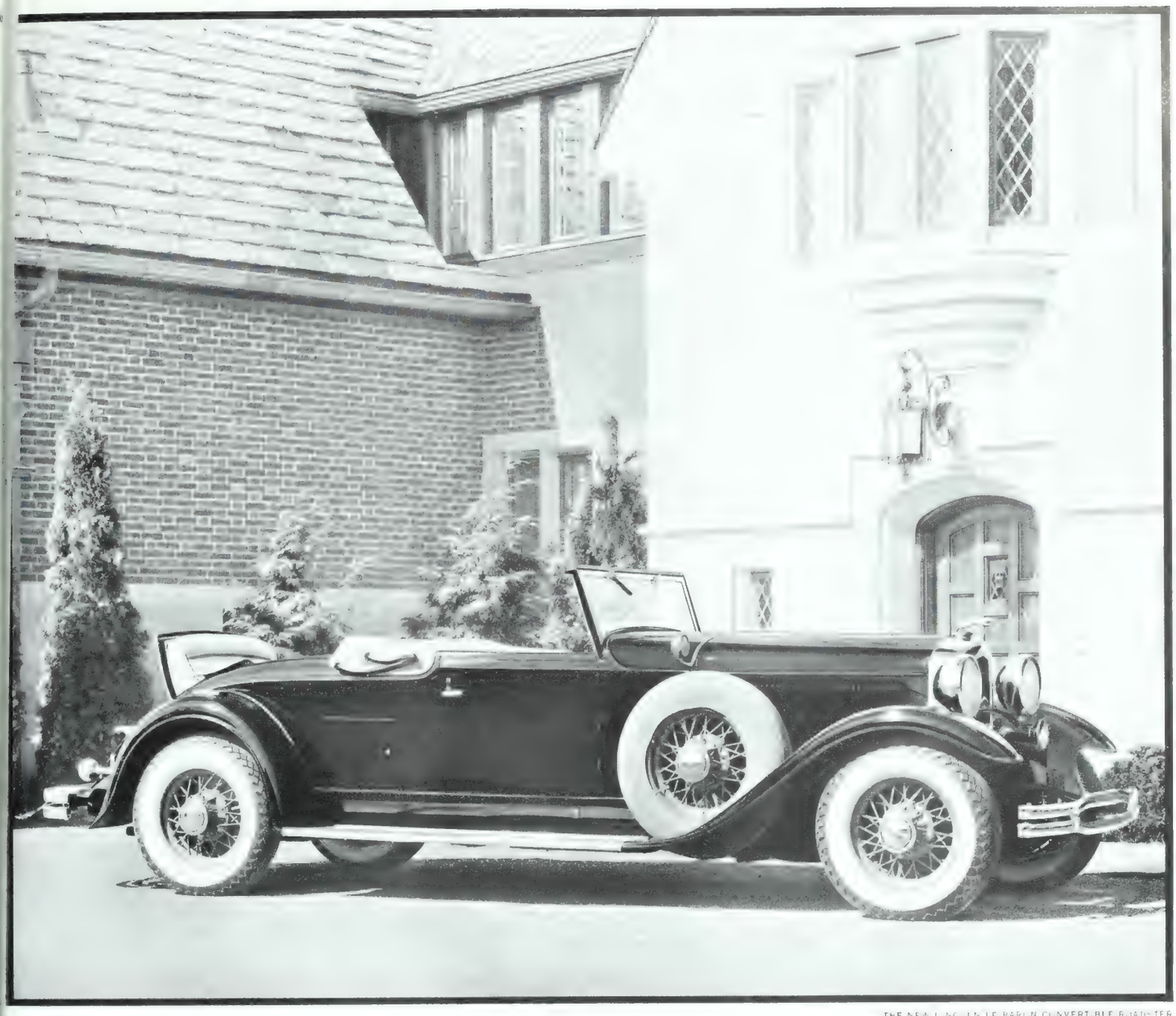
• Jugenheim near Darmstadt Schlosspark Heiligenberg, former residence of Prince Louis of Battenberg. Darmstadt: Herrngarten, public. Schlosspark Schwetzingen: One of the largest and finest park Mannheim Schlossgarten, Wal park, Luisenpark — public. Fried richspark, admission. Herrnshein near Worms, beautiful private park visitors admitted.

• Gruenstadt-Pfalz: Stadtpark, pub lic. Zweibruecken-Pfalz: Stadtpark Rosengarten. Mainz: Anlage, Mu nicipal Park on the site of the elec toral château Favorite Bad Hom burg: Kurpark, laid out from design of P. Lenné. Palace Garden, lowe park open to the public.

• Cronberg: Schlosspark: Fried richshof, owned by Princess Feodor Charles of Hesse. Mergentheim Schlosspark. Weikersheim: Schloss garten, owned by Prince Hohenlohe Langenburg. Karlsruhe: Schloss garten, public. Baden-Baden: Neue Schlossgarten, open: Kurgarten; Favorite Park.

• Donaueschingen: Schlossgarten, free. Ludwigsburg: Schlossgarten, Favorite Park, Monrepos—all public. Stuttgart: Schlossgarten, Anlagen, Rosenstein Park, Wilhelma Park, Villa Berg, Stadtgarten (admission) —all public. Heiligenberg: Schloss-park, owner Prince Fuerstenberg, open. Veitshoechheim: Hofgarten in Franco-Italian style. Aschaffenburg: Park Schoental and Schoenbusch, both open. Schloss Pommersfelden: Owner, Count Schonborn-Wiesentheid.

• Dachau: Hofgarten, admission Mark .50. Schloesschen Berg on the Lake Starnberg: Parks and gardens, closed December-February. Possenhoffen: Exclusive parks and gardens with a small Ivy-grown Schloss of Prince Thurn and Taxis. Bernried on the Lake Starnberg. With a fine park, open. Schlosspark in Tutzing. Schloss Linderhof: Free. Meiningen: Herrenberg Park, public; English Garden, public. (*Continued on page* 100)



THE NEW LINCOLN LE BARON CONVERTIBLE ROADSTER

POISE THAT REFLECTS UNFAILING CHARACTER

THE LINCOLN has a way of communicating its own qualities of excellence even to those who see it swiftly passing by. For its hidden values—the precision with which it is built, the enduring quality of its mechanism and body—are immediately evident in the distinguished beauty of this motor car. It is designed in every part of chassis and body to satisfy those who fully appreciate a fine automobile.

This fusion of luxury and power is fully revealed to those who know the Lincoln best. All that they expect of it—in sensitive power and air-borne ease of riding—is fulfilled. And they recognize in the Lincoln a motor car painstakingly built to carry them swiftly, safely, and comfortably, a finished product of engineering skill and precision craftsmanship.

The Lincoln is driven with a flowing sense of effortless power. Its free-wheeling transmission permits gears to be shifted smoothly and quietly from second gear into high, from high back to second—as you will—without disengaging the clutch. And, by removing pressure from the accelerator, the car is allowed to glide on momentum, with the engine idling.

The great comfort and safety, which have always contributed to the Lincoln's character, are made even more evident by the long, low chassis with 145-inch wheelbase and the wider tread. In appearance, in luxury, in smooth power, this is an automobile of unfailing qualities . . . "as nearly perfect a motor car as it is possible to produce." The prices of the new Lincoln range from $4400 up, f. o. b. Detroit.



Mt. Vernon Goes Abroad

"Here I am, folks, 3000 miles from home and my twin on the Potomac. At the Paris World's Fair—or as they say over here, "Coloniale Internationale Expositione de Paris."

"Everyone says I'm one of the most interesting exhibits here—and a pure example of Early American Architecture. But I take their admiration as a real compliment because some of these exhibition buildings must have cost millions.

"Part of my appeal is probably due to the fact that I'm the "twin brother" of George Washington's home and also that one of my bedrooms was occupied more than 150 years ago by that great French soldier, the Marquis de La Fayette.

"I beg your pardon, I meant to say that one of the bedrooms in Mt. Vernon on the Potomac was occupied by him. This being a twin is very confusing.

"But what has really set tongues to wagging about me was the amazing speed of my construction. Believe it or not, but in less than 10 days from the time the United States Government awarded the building contract to Sears-Roebuck, most of my materials were on their way to France and just 73 days later I was completed, inside and out, a reproduction of our historic American shrine. A miracle to the French, who take many month to put up the simplest structure—but just a today's stuff for us Yanks."

Je n' avais aucune idée Sears Construisait des si belles maisons,

which is the French way of saying,

"I had no idea Sears built such fine homes!"

Read this illustrated story of how families in every walk of life have discovered a better and simpler way to own their ideal homes.



This beautiful booklet contains photographic illustrations of many of America's best designed homes built during the past year. It is brim full of alluring ideas and suggestions, with pictures of unique cottages, two-story English, Normandy and Colonial designs, and many other types. It explains all details of Sears remarkable home building and financing offer.

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German gardens to see abroad

(CONTINUED FROM PAGE 98)

• Hildburghausen: Schlossgarten, public. Bad Liebenstein: Italian garden. Sangerhausen: Rosengarten with 100,000 Rose trees in 8,000 varieties in the Stadtpark, free.

• Quedlinburg: Marburg: Stadtpark, public. Gotha: Park, public. Weimar: Park, public. Jena: Princess Garden, public. Friedrichsroda: Reinhardsbrunn Castle magnificent park, admission 1 Mark. Naumburg: Extensive public parks. Greiz: Fuerstlicher Park.

• Schlosspark in Woerlitz, near Dessau. Famous extensive park, free. Dessau: Georgian Garden, free; Lustgarten, public. Schlosspark Luisiana, free. Schloss Ebersdorf: Englischer Park, private. Dresden-Deustadt: Gardens of the Japanese Palace, public.

• Schlosspark Waldenburg: Residence of Prince Schoenberg-Waldenburg, private. Schloss Lichtenwalde (Saxony): Open. Goerlitz: Stadtpark, public. Schloss Fuerstenstein, near Freiburg in Silesia: Residence of Prince of Pless, no admission. Schlosspark Grafenort, near Glatz: Public. Schloss Branitz, near Cottbus: With a fine park, laid out by Prince Pueckler. Liegnitz: Palmenhain, open.

• Eichholz Park, near Arnstedt. Osnabrueck: Stadtpark, public. Putbus Castle of Ruegen: Former residence of the Prince of Putbus. Fine park, open. Neustrelitz: Castle Park, open. Ludwigslust: One of the most delightful "Garden Towns"; the castle, former residence of the Grand Dukes of Mecklenburg-Schwerin, in a magnificent park.

• Schwerin: Excellent municipal park. Eutin: Famous gardens of the old Episcopal Palace, admission. Ploen: Schlossgarten, free. Hamburg: Jenischpark in Klein-Flottbeck, open; Stadtpark, Ohlsdorf, Landscape cemetery. Altona: Donnerspark, public; Municipal Parks.

• Nature Park in the "Leuneburger Heide". Oldenburg: Schlosspark, free. Muenster: Schlossgarten. Bochum: Municipal Park, the finest in the whole region of the Ruhr.

Italian gardens to see abroad

(CONTINUED FROM PAGE 63)

[illegible]able for its beautiful views. Private property. Villa Melzi (important). Beautiful grounds. Rich [illegible] Open once or twice a week. Villa Giula. Beautiful viewpoints. Rich vegetation. Villa Trotti (important). Not large but specially interesting for its small Japanese garden. Open once a week.

LOMBARDIA

• Monza: Villa Reale (very important [illegible] 1770. Beyond the villa is the park [illegible] harnais. The whole is vast and impressive. Open [illegible] Desio (Brianza): Villa Tittoni Antona-Traversy. Shrubberies and avenues of [illegible] Apple on the seat to Versailles. [illegible] trazione Tittoni. Gerno (Brianza): Villa Gernotto, now Villa Somaglia, situated on a hill cut in terraces. Fountains and exotic plants. Access difficult.

• Inverigo (Brianza): Villa Crivelli [illegible] Beautiful Cypresses. Pretty "orrido". Vaprio d'Adda (near Milan): Omate e Bertarelli. Villa Trivulzio. Dates from 1700. After the style of Le Nôtre. Beautiful park. Olgiate (Brianza): Villa Sala Trotti (1700). Terraced garden, rich in statues, Cypresses, Bo-hedges. About 34 km. from Milan. Merate (Brianza): Villa Belgioioso important (1700). Now Villa Trivulzio. Terraces, cut hedges, rivulets. About 27 km. from Milan. Villa Del Sulaglio, now Prinetti Castelleti, 18th Century garden.

• Oreno (Brianza): Villa Gallarati-Scotti, important (1700). Beautiful park with symmetrical gardens, labyrinths, Box-tree theater, fountains and baroque railings. Rho: Villa di Castellazzo, now Villa Sormani Busca. In the 18th century it was considered as one of the most beautiful villas in Lombardy. Extensive grounds. About 3 km. from Rho station.

• Varese: Giardino della Corte Ducale (1770-80). Beautiful plants. "Jardin à l'italienne". Public garden. Montalto Pavese (Pavia): garden inside the grounds of Castello Di Montalto. Dates from 1700. Box-hedges, statues, etc. Montova: Bosco Virgiliano. A recent park where are cultivated all the plants mentioned in Virgil's works. A sort of botanical commemoration of Virgil. Open every day. Bisuschio: Villa Cicogna. Fine 18th Century villa. Usually possible to visit.

LIGURIA

• Ventimiglia: Giardino Hanbury. Planned in 1867, one of the most important botanical gardens. Corresponds and exchanges with all the other botanical gardens. Beautiful and rare plants growing in the open air. Open to the public Monday and Friday afternoons. Bordighera: Giardino Winter (at Vallome). Dates from 1772. Interesting for its rare Palms. The greater number are the two varieties of Phoenix dactilifera which supply the Palms at Easter for the Catholic and Jewish Churches. Entrance free. Giardino Winter (at the Madonna della Ruota). Picturesque and botanically interesting. Open from October to April (Continued on page 102)

THE Early American Theme in Country Rooms

finds a Harmonious Response in Celanese

Nancy McClelland, Inc., attains decorative harmony in this Early American setting with draperies of Celanese Mirrocel in orange-tinged rose, the beige fringe matching the glass curtains of Celanese Claracel, a ninon type.



COUNTRY house living rooms in the Early American flavor achieve cool comfort and decorative charm in the use of Celanese Fabrics for curtains and draperies. Their practical qualities are in tune with the sturdy spirit of pine panelled walls and simple furnishings. Weaves of Celanese recommend themselves especially for shore homes, as they are not injured by rain or dampness, or salt air . . . do not shrink or stretch, or mold or mildew. Luxuriously supple—entirely free from loading—Celanese Decorative Fabrics may be washed or cleaned with equal success. Their glowing colors, too, are unusually fast.

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And HOME OWNERS



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In the finest homes today, Venetian Blinds are again being accorded their rightful place. Distinctive in appearance yet eminently practical, they afford an ideal solution to the many problems of controlling light and ventilation.

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Please mail me literature describing your Venetian Blinds.

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STREET _____
CITY _____

Italian gardens to see abroad

Continued from page 100

Villa Parva. Rich vege-

Free entrance. Nervi: Villa Gropallo. Noted for its Palms and Camellias. Has been recently joined to the Villa Serra forming, together with it, the public garden. Pugliola (Lerici): Villa Ressola, now Istituto Cochrane. Apply for permission on the spot. Lerici: Villa Marigola, now Bibolini. Oak wood

VENETO

• Rose (very important). Built in 1669. Box-hedges, Lemon-trees, Cypresses. In the province of Padua. Open every day. Strà: Villa Pisani. Extensive park, important frescoes. Garden fully in harmony with

About 8 km. from Montebelluna.

• G. B. Zelotti. Beautiful park, a 37 km. from Padua. Apply for per-

Century). Somewhat neglected. Trees Open week days. Grazzano (Vero-

UMBRIA

• Colle del Cardinale (Perugia): Villa Parodi. Beautiful park, fountains, etc. Private property. 12 km.

Century

Boris. Permission to visit probably granted on showing visiting card. Orvieto (surroundings): Villa S. Elena. Property of the Sereni family. Monte Vibiano (villa of). Edifice recently restored. Box-tree theater. Lago Trasimeno: Pischiello, owned by the Conti di Sorbello. Terraced garden. The whole is modest but less pretentious. Dates from 17th Century.

TOSCANA

• Florence: Giardino di Boboli (very important). One of the most typical Italian gardens. Many fountains and statues. Beautiful viewpoints, wealth of plants. Open every day. Le Cascine (important). Formerly farms belonging to the grand gardens. Beautiful trees and plants. Public gardens. Giardino Torrigiani. Large and fairly interesting, a little neglected. For permit apply to Amministrazione Torrigiani, via Tornabuoni 10. Villa Fabbricotti.

• Fiesole: Villa Medici, now Scott. Built in 15 for Giovanni de' Medici. Rather small. May be seen by showing visitors card at the gate. Villa Palmieri (important). Very essential structure. Venerdì to tradition, Boccaccio

Villa Salviati. Bought in 1469 by the Salviatis and altered by Sangallo. Interesting garden to see properties Villa Pazzi, now Westbury (important). Open

• Rifredi: Villa Reale della Petraia (important). Rebuilt in 15 by Cardinal F. de' Medici. Garden rise commands a fine view. Beautiful fountain with a Venus by Giambologna. Permit necessary from Palazzo Pitti in Florence. Villa Reale di Castello (important). Purchased by Medici in 1477, enriched by Lorenzo il Magnifico. Terraced garden. Several statues by Giambologna. Permit from Palazzo Pitti in Flor- Villa Corsi Salviati (1632-60). Parterre with statues. Fountain; a Waterlilied canal. Pool.

• Arcetri: Villa Capponi. Small villa. Terraces. Lemon-trees, pool. Galluzzo: Villa Bombicci (Collazzi). Interesting Florentine style building attributed to Michelangelo. Monte Oliveto (near): Villa Demidoff formerly Villa Pratolino (bought in by Medici for Bianca Capello). Extensive grounds. Huge statue by Giambologna. About 8 km. from Florence. Settignano: Villa Gamberaia (very important). Not large but well preserved example of 17th Century Italian villa and therefore very rare. Beautiful Cypresses, panorama. Entrance by

• Collodi: (*Continued on page* 104)

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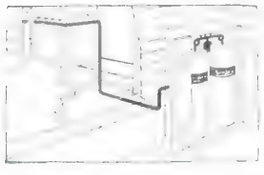
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Italian gardens to see abroad

(CONTINUED FROM PAGE 102)

[illegible] Fridays and Sundays. Lucca: Villa [illegible] (important). Fine villa of the 17th Century. Monumental fountain and [illegible]

• [illegible] (Villa Corsi) [illegible] avenue with architectural [illegible] Vicobello (Villa Chigi). Terraced garden. About 4 km. from Siena. Ville Gori e Geggiano, near together. Simple but interesting for Box-tree theaters. Pisa: Tenuta Reale Di San Rossore. Large park. Visits organized by Ente Turistico Piazza Fibonacci, Pisa. Lo Rotta Degli Azzoni (property Avogadro). [illegible]

ROME AND ENVIRONS

• Rome: Villa Pamphili (very important). Planned by Alessandro Algardi in 1650. Largest and best [illegible] in Rome. Beautiful fountains, extensive grounds, small labyrinth, lake. Apply previously for permit, showing [illegible] Villa Borghese (very important). The most beautiful among Roman villas. Founded 17th Century. Contains [illegible] public property. Public garden. Villa [illegible] seat of the French Academy. Open [illegible]

• Villa Albani (important). Built [illegible] or Mattei [illegible] tree avenues. Public garden. Villa Sciarri (important). Shady avenues. Several fine fountains, topiary work. [illegible] Small hanging garden in center of [illegible]

• Villa [illegible] laid out garden in the center of the city. For permit apply to Palazzo Colonna. Villa Volkonsky. 19th Century. [illegible] Picturesque. Permission at the gate. Villa Giulia. 15th Century. Nothing remains of original villa except the [illegible]

• Frascati: Villa Aldobrandini (very important). Imposing villa of the 17th Century. One of the finest examples of water-works. Permission obtained on the spot.

• Villa Falconieri (important). Dates from about 1550. Beautiful grounds. Large fountains surrounded by old Cypresses. Free. Villa Piccolomini, now Lancellotti (important). Fine villa with pretty ninfeo. Open to the public on September 29. Villa Mondragone. Monumental but very much neglected. For permission apply on the spot. Villa Torlonia (very important). Not very large but a typical and harmonious example of Roman villa. Beautiful cascade. Open three times a week. Inquire at the Ente Autonomo Frascati. Bagnaia: Villa Lante (very important).

• Tivoli: Villa D'Este (very important). Middle of 16th Century. Chief characteristic is the great number and variety of fountains. One interesting detail is the "Rometta", which is a minute and accurate reproduction of the ancient monuments of Rome. Open every day. Villa Adriana. More interesting for archeologists than for garden lovers. Shows how a Roman Emperor had realized his idea of a country resting [illegible] Open every day.

• Caprarola: Plazzo and Parco Farnese (important). Park with terraced garden. Beautiful fountains. Whole aspect imposing but somewhat neglected. The villa itself is a [illegible] contains the famous frescoes by the Zuccari. May be visited Tuesdays, Thursdays and Saturdays with permit from Amministrazione Farnesiana, via del Seminario 87, Rome.

• Bagnaia (Viterbo): (important). Not very extensive but contains interesting and characteristic architecture. The water-works were very much copied in other villas of the Renaissance. Admission on showing visiting card at the gate.

CAMPANIA

• Naples: Villa Floridiana (important). Presented by Ferdinand I to his morganatic wife in 1817. Small [illegible] tree theater, terraces, beautiful view over the bay. The villa contains a museum of pottery and china ware. Open till dusk. Permission obtainable from the "Sovraintendensa all'arte medievale e moderna" Palazza Reale. Villa Nazionale. Shady walk. Aquarium. Public gardens. [illegible] di (*Continued on page* 106)

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House & Garden's bookshelf

(CONTINUED FROM PAGE 208)

PORTRAITS OF PHILADELPHIA GARDENS. By Frank Emil Brown and James Bush-Brown. Philadelphia: Dorrance

In several brief essays the brilliant Allen Poe designates a man extraordinarily gifted in all the many fields in which genius may be manifested. Thus variously endowed, after much deliberation he decides to give [illegible] which, their seemed to be the widest scope for his great powers, and great opportunity for [illegible] field of landscape

In this volume are presented the achievements of not only one able artist confined to the span of a single lifetime and limited, as would of necessity be the work of one person, to but a few spots, but the results of labor on the part of many trained students in conjunction with fond owners, in sites of great diversity and in some cases in successive generations. And may it not be that next in the heart of the sons that bears a word meaning "forest" as [illegible] of any other city in the country, proximity to [illegible] examples [illegible] and has given [illegible] among suburbs still [illegible] of any other city in the country, proximity to [illegible] examples [illegible] and has given [illegible] Their introductory pages, which are [illegible] to cover a wide range in building area, in adaptation to topography and to [illegible] photographers of renown, with occasional de- [illegible] to the pictures setting that will com- [illegible] there is a description [illegible]

F. B. M.

THE CHERRY AND ITS CULTURE. By V. R. Gardener. New York: Orange Judd Publishing Co.

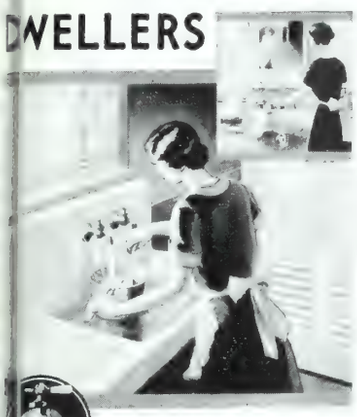
It is true, as the author states, that while much has been written about the Cherry, it is in the form of magazine articles or chapters in books devoted to fruitgrowing in general, so that the information is not readily available. On connection it might be well to remember what in the modern too-hurried way of doing things is apt to be forgotten, namely, that the various state departments of agriculture and the national government always have ready, for free distribution, excellent pamphlets concerning subjects like this. But this book does bring together "a hoard of information . . . equally useful to the amateur and to the commercial producer who may have several acres," about a fruit that always will be popular because of its somewhat poetical associations also, which to an extent seem to rise from the charm of its blossoms for which alone under the lead of the Japanese, many trees in developed forms are prized. It has been preeminently the fruit tree for the small backyard also, on account of its requiring so little care and thriving better than most other tree fruits in soil of any kind.

The little volume treats of climatic conditions, soils, kinds of trees to use and culture in a thoroughly satisfactory manner. It emphasizes two matters that in zealous efforts to give the best possible care the gardener is prone to overdo, pruning, and tilling the soil, for it is plainly too often the case that much bearing wood is needlessly cut away and that roots in good soil near the surface are damaged. As to fertilizing, it has been demonstrated by recent experiments that of all the various nutrient materials that might be supplied, nitrogen alone is likely to produce a response that makes its application profitable. Precautions against diseases and pests must be taken early, particularly in the case of the Cherry because it has less recuperative ability than other fruits. In selecting varieties there is less bother than among other fruit trees, for the number of really good kinds is small. Care must be taken, however, to provide for the pollenizing of varieties that are sterile; only about fifteen years ago it was discovered that apparently all varieties belonging to the sweet cherry group and at least some of the Duke varieties are sterile to their own pollen. In addition to being self sterile some of the sweet cherry varieties show inter-sterility. There must be wise interplanting of varieties and bees should be made use of more than with other fruits.

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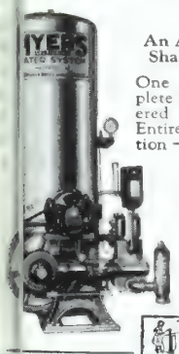


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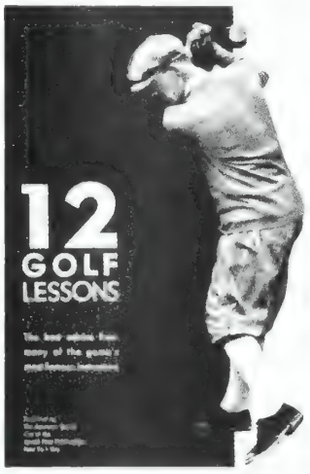
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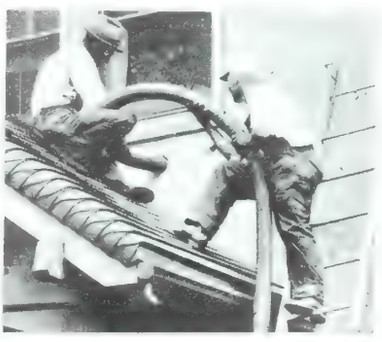
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It isn't always possible or convenient to inquire directly of the garden owner. But at your elbow is The Garden Mart of HOUSE & GARDEN, an alphabetical, classified index of where to buy garden specialties, *not of the common or garden variety*. If you don't find just what you seek in these pages, please feel free to write The Garden Mart, House & Garden, 1930 Graybar Building, Lexington at 43rd, New York. No obligation, of course.

Italian gardens to see abroad

(CONTINUED FROM PAGE 104)

Capodimonte. Founded by Charles de Bourbon in 1735. Several beautiful views. Formerly contained celebrated porcelain factory. May be seen on Sundays. Permission may be obtained from the "Sovraintendenza

• Caserta. Parco Del Palazzo Reale (very important). Specially known for its fountains and imposing cascades. Contains an English garden which Queen Caroline had made in
of Vanvitelli, is now the seat of the Air-Force Academy. Open daily.

• Ravelo: Giardini Del Palazzo Rufolo (very important). Beautiful panorama. Some remarkable large
plants. This garden inspired Wagner with the scenery for the garden of Klingsor in *Parsifal*. May be seen every day. Belvedere Del Palazzo Cimbrone. More remarkable for the
knock.

•
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• Palermo: Villa Tasca. Beautiful Orange and Palm trees. Splendid view over the Conca d'Oro. Open to visitors. Villa D'Aumale. Inhabited by Louis Philippe d'Orleans during his exile. Luxuriant vegetation. Visitors admitted. Villa Igea. Beautiful park. Hotel. Hagheria: Villa Palagonia. Dates from 1715. Grounds neglected but interesting for its peculiar decorations consisting of monsters, dwarfs and grotesques. 13 km. from Palermo. Villa Valguarnera. Neglected park but very richly ornamented. Beautiful position. Taormina. The Villa of the Duke of

English houses of pre-Georgian times

(CONTINUED FROM PAGE 71)

corners for strength, while
the strength of the brick wall, they
at the top of page 71.

In two respects the windows of the
can be partially due to the influences which were brought over to England with William of Orange, as well as a desire

attempt is made to dodge the issue. Moreover, a special characteristic of the windows of this period is that of having wide frames placed almost out to the wall surface. This too is like windows of Dutch houses of this period. Hitherto all English houses depended for certain effects upon deep shadows cast in window openings—the frame and sash being set back as far from the outside face of the wall as was possible.

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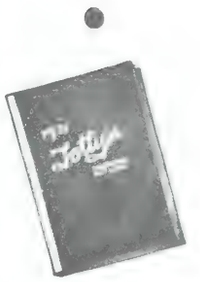


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ANCHOR FENCES

Fragrance of the rose

(CONTINUED FROM PAGE 46)

centifolia, the Cabbage Rose, *Rosa* [illegible] the Damask Rose and *Rosa gallica*, French Rose. There is no [illegible] this special type of Rose fragrance is less in evidence today than at that period a few decades ago when the majority of garden Roses were the offspring of one or the other of these richly scented kinds. This lovely scent is happily the inheritance of many a modern Hybrid Perpetual and numerous Hybrid Teas as well, though in lesser degree. The old H. P. General Jacqueminot, that first saw the light in 1853 and is the parent of a long line of deliciously scented red Roses, is still grown because it possesses in such lavish degree this true old Rose scent. Other varieties obtainable today that [illegible] are Hugh Dickson, Château de Clos Vougeot, Admiral Ward, Alfred Colomb, Duke of Wellington, Col. Oswald Fitzgerald, Hadley, Prince of Wales, C. K. Douglas, Mrs. Bullivant, Richards, Duke Edith Helen, Portadown Fragrance, Arthur Cook, Flamingo, Lady Helen Mayflower, Queen of Fragrance and Rosemary.

[illegible]

[illegible] are of various tones of red and crimson. Red Roses, as a matter of fact, [illegible] relationship to those [illegible] are possessed with sweetness. Pink varieties are [illegible] wholly scentless, though some of the [illegible] are found among the varieties of yellow and [illegible]

[illegible] old Rose scent [illegible] exquisite and refreshing of all floral odors, pure, transparent, incomparable, an odor into which we may, so to speak, [illegible] we may touch bottom without losing [illegible] many fragrant flowers. Inhale too [illegible] Arbutus and we come upon Bitter [illegible] Rose-like on the surface but coarse and earthy if we pursue it past a certain point. And so with many [illegible] remains pure, uncloying and sweet to the last whiff, nor does it lose its sweetness in death.

The perfume of the Rose has always been believed to possess curative powers—"a Rose besides its beauty is [illegible] and old medical works and herbals abound in rules for making Rose decoctions for the relief of every sort of disease. You will recall those lines from Anacreon:

The Rose distills a healing balm
The beating pulse of pain to calm.

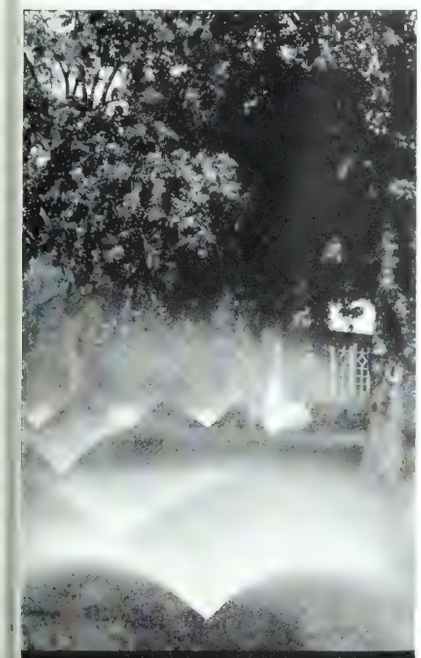
And old Leonard Meager knew several hundred years ago what we still acknowledge today, that Roses "refresh the brain with their Sweet Odours and drive away Vapours from thence." A bowl of Roses in the living room on a distressingly hot day does far more than please the eye and regale the nose; it enlivens the atmosphere and revives the occupants of the room. One fragrant Rose in a glass vase will make a whole room sweet.

Among modern Roses we find a great variety of scents testifying to their complicated and composite ancestry. Besides the old Rose scent that is present in so many Hybrid Perpetuals and in a number of Hybrid Teas, we find the Tea scent, the odors of spice and musk and of honey, even that of Violet (the Polyantha Rose Eugenie Lamesch has a faint scent of Violets), and a whole gamut of fruity odors. The introduction in 1810 from China of the blush Tea-scented Rose, and a few years later of the yellow Tea-scented Rose from the same land, profoundly influenced the fragrance of Roses. These two little Orientals were forms of *Rosa indica odorata*, the "odorata" differentiating it from *Rosa indica*, the China Rose. They were thought to smell like fine China tea. Originally they were brought to England but soon found a far more congenial home in France where they were speedily taken in hand by the clever French growers under whose skilled manipulation they became the progenitors of the great race of so-called Tea-scented Roses. They were immediately popular, for though somewhat tender, their large, delightfully fragrant blossoms, so freely borne in the autumn were a new and delicious experience to Rose lovers hitherto accustomed only to the short June bounty of the old kinds.

A MARYLAND GARDEN

The Tea Rose crossed with the old Musk Rose brought into being the lovely and tender Noisettes, exquisite of form and fragrance. In the Maryland garden of my youth we grew only Teas and Noisettes and I remember that splendid Rose of the latter class, Maréchal Niel, that wound a vigorous wreath about the library windows, was called by us the Strawberry Rose, because its pointed golden buds so realistically suggested the odor of that pungent fruit, and that the old Tea Rose, Safrano, my mother's favorite, had distinctly the spicy breath of the Scotch Pinks that edged its bed. Some varieties that possess in marked degree the true Tea scent are Gloire de Dijon, Mrs. Foley Hobbs, Anna Oliver, Mrs. Dunlop Best, Harry Kirk, Lady Hillingdon, Alice de Rothschild, and Marie Van Houtte. Tea Roses are only for gardens in Maryland and southwards.

The crossing of the Hybrid Perpetual with the Tea-scented Rose toward the end of the 19th Century resulted in the grand race of Hybrid Teas that are today the chief concern and delight of the Rose-growing world. The Hybrid Perpetual had been the result of crosses between *Rosa indica* and the old Damask and French Roses; thus the cross fertilization of the Hybrid Perpetual with the Tea tended to increase the Tea element in the new class of Roses, and though we gained immeasurably by this union in the extraordinary per- (*Continued on page* 110)



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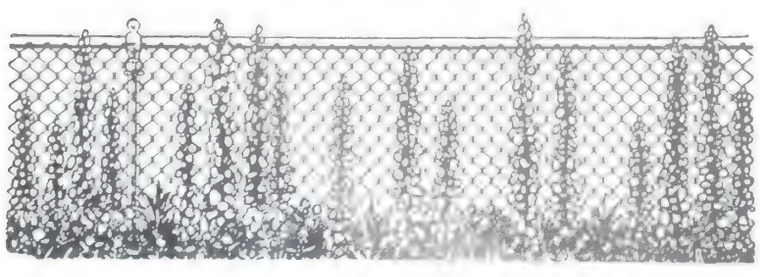
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Fragrance of the rose

CONTINUED FROM PAGE 108

[illegible] the exquisite and infinite nuances and gradations of [illegible] the Hybrid Teas the [illegible] types of beauty they are today, there is no doubt that "the old Rose scent" is seldom present in [illegible] though [illegible] of them are without scent of some kind. Where the blood of the old Musk Rose enters in the perfume, while refreshing and delicious, is curiously [illegible]-like, but these Musk-influenced [illegible] have the pleasant faculty of their parent of giving off [illegible] sweetness freely to the air, especially toward evening. Still another influence perceptible in the scent of some [illegible] Roses is that of *Rosa lutea* (*R. foetida*), the Austrian Briar. This [illegible] always made [illegible] of the finest Roses of the Tea hybrids derivative the deliciously scented Daily Mail [illegible] of these.

There are a vast number of Roses that, besides beauty, have exquisite fragrance. We do not include in our selections those lacking this lovely attribute. Many climbers, it is true, [illegible] and we should [illegible] of the Ramblers as [illegible] climbing Roses as they have given in [illegible].

[illegible]

[illegible]

[illegible]

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a. American Beauty
a. General Jacqueminot
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a. Mrs. John Laing
a. Prince Camille de Rohan
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a. Captain Hayward
a. Jubilee
b. George Arends
b. Ulrich Brunner
b. Henry Nevard
b. Juliet

FRAGRANT BOURBON AND CHINA ROSES

a. Gruss an Teplitz
a. Birdie Blye
a. Souv. de la Malmaison
a. Commandant L. Bartre
[illegible]

HARDY CLIMBERS

a. Zephirine Drouhin
[illegible]
Cl. American Beauty
[illegible]
a. Bardou Job
b. Bess Lovett
b. Miss Helyett
b. Paul's Lemon Pillar

Besides these, all the Teas and [illegible] Roses are fragrant, as are *R. lucida*, *R. nitida*, Harison's Yellow and all Sweet Briars.

Among the new building gadgets

[illegible] PAGE 160

FEATURED [illegible] Selected cedar shingles stained under [illegible] process which forces preserving oils and 35 per cent more color deeper into the wood are [illegible] commercial. Color uniformity and durability are further assured as each shingle is specially finished to prevent pronounced variations in shingle and [illegible] through the stain.

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Concerning week-end guests

(CONTINUED FROM PAGE 88)

effect regarding week-ends. We must match guests as we match silk, do A and *B* harmonize? Is *C* out of the picture? The stage is sometimes wilfully set. There is a geometry to week-ends. The shortest distance between two points of a romance is a week-end, provided the right two are introduced. I know a couple who were scheduled to spend a week-end, and they decided to rehearse their arrival beforehand in their new car. The house was set well back in an ample estate. From the lodge gate to the entrance was a full mile of handsome gravelled roadway. It swept in its final flourish around a formal bed of flowers. "We must make just as good a flourish," suggested the wife. And she said, one day after luncheon, "We will rehearse. Sue and her husband are away for two days, and we'll motor over and see how well I can loop the loop." The motor sang in chamber-concert fashion, and they were letter-perfect the first shot.

Then came the day and all was set. The cue was exact, but the execution took stage-fright; either the path moved or the hand trembled, or the eye swerved, but the sharply manicured edges of that path were nipped and torn, as dire a happening as though a bediamonded finger had torn the edge of its well-curved nail. Much of life is a matter of instinct; and so is much of driving. And so are week-ends. You know perfectly well when you are experimenting with a week-end guest. You somehow feel when the occasion is going to be an ordeal and when it is going to be a pleasure.

For one should so arrange as to meet the week-end on the wings of expectancy. It should be a consummation toward which we devoutly yearn. No matter what the outcome, I believe most of us look at the matter thus. The hour strikes and the open road beckons. Not a moment which gives the week-end its name must be lost.

A Wall Street man was slated for a house party; his car was laid up; the train seemed hot and confined. He got out and hailed a taxi. "Can you drive fast?" he asked. The reply was reassuring: "I used to run an ambulance." "Then let's go to the green hills," he cried, throwing himself into the cab. Off they went to the free road, where even a taxi's recklessness seemed tame. It was not up to roadster standards. "Here, sonny," this Wall Street man called, "stop the car." He was soon out. "You get inside and let me have the wheel." Thus he cut time in half, and had to wake the driver up to pay him.

Yes, this week-end matter may have much to do with housekeeping, but as a basis it is a spiritual thing. It can either depress or uplift. In one house there was a boresome person being entertained. The family were at a loss how to pass the time. From the kitchen came the voice of the cook singing, "Nobody knows the trouble I've seen." "That's too suggestive," said one of the family; "close the door. He'll think we planted it." "Oh, let her sing," pled another, refusing to move. And so the guest may be equally as bored by the family. Who knows but "Carry me back to Old Virginny" may have been inspired by a week-end spent in some other state!

—MONTROSE J. MOSES

On garden houses and outdoor studies

(CONTINUED FROM PAGE 90)

ception was an old boat. To have that, as an extension to your garden, you must live on the shores of a circular cove, girdled with woodlands and with an entrance to the outer sea sown with rock islands—a cove that is also a salt-marsh, if possible. Your boat must be a real boat, not a trim, smart-looking "house-boat" suggesting fashionable young women, and afternoon tea. No! It must be a real old boat, that has roughed it on the seas and come to rest in your peaceful cove.

Such was mine, a battered old oyster-sloop, broad of beam and deck, with a spacious old cabin with deep-set windows and stout transoms. There is no better place to house one's books in, or in which to do one's thinking and dreaming. Anchored far away from human dwellings and domesticities, how good to row out there in the gleam of morning, with the dew still on the deck, to make one's morning coffee in the galley, and to take one's morning swim among the rocks, smelling of sea-weed and clamorous with morning gulls. And in the afternoon, when the tide is low, to count the blue herons, as they stand about on their long stilts, or the fish-hawks soaring aloft and, after a sudden lightning-like fall from the sky, speeding off to the woods with a writhing silver fish in their talons.

Yes! A tree-house or an old oyster-sloop—I know not which is best, though, if I had space to tell of it I should like to recommend to the reader one more of many out-of-door hermitages (not to speak of shacks among the hills, made out of rough logs and roofed with boughs and thatched with moss, with black snakes and groundhogs living in burrows under the floor, for our fellow lodgers): that particular hermitage is a coral cave on an island in the Caribbean Sea. I am thinking of a cave which looked upon an orange grove, with its golden fruit, its ivory blossoms and its perfume of the Hesperides. Close by was a beach of moon-white sand, and a turquoise sea, and dripping down the rocks from hidden hives the golden honey of wild bees.

So here are a few suggestions to lovers of out-of-doors solitude. I have tried them all and others, but perhaps particularly I recommend the coral cave:

I bought a cave of late in a lone isle
With pillared dome of glittering stalagmite,
Driven thereto, a lorn distracted wight
By man that earth and air and sea defile,
A being whom the vulgar times compel
To be a troglodyte—
Leaving the noise and glare of things behind.



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DREER'S
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The garden scrap book

RIPE BULBS. The leaves of most of the Narcissi and other spring-flowering bulbs will begin to turn yellow this month—sure sign that the corms from which they spring have ripened sufficiently to be in no further need of foliage. So you can cut them down with a clear conscience, secure in the knowledge that next spring's display will not suffer.

In the failure to wait until this ripening is complete is found one of the important reasons why bulb plantings sometimes deteriorate in quality. The temptation to cut down the foliage as soon as flowering time is over is strong, especially when the bulbs are along the lawn edges where ordinarily the grass is kept mown. But it must be resisted, for the corms are largely dependent upon their leaves for the storing up of that strength which, waiting all through the summer, fall and winter, will at last be translated into flowers.

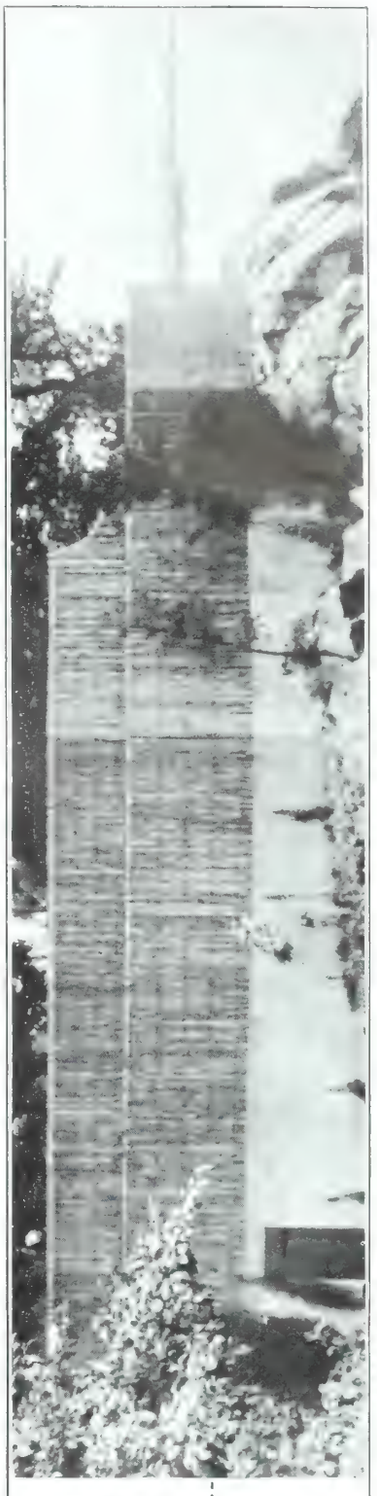
NEW NURSERY STOCK. In the majority of cases, the close care of newly planted trees and shrubs should continue for two full seasons after the actual setting out is done. By that time it can be assumed, except in the case of some really large specimens, that the roots have become so well established that only general attention will be required thenceforth.

Prominent among the things to watch out for in these first two years is the maintenance of a constant and adequate supply of soil moisture. This moisture must extend down to the lowest point of the root-run; if it is merely in the top few inches of soil it will do little or no good. Remember that the roots are the parts that need it, and that they lie deep.

In seasons of normal rainfall it may not be necessary to water more often than once every two or three weeks; to be on the safe side, do not let more than a week go by without either a good soaking rain or an equally thorough artificial watering. When you do water, put on about three times as much as you think ought to be enough!

This advice applies alike to deciduous and evergreen stock. With the latter, too, it is well to set up some kind of protection if the location is subject to the sweep of heavy winds. This is particularly important during winter and early spring when the roots are inactive and cannot replace the moisture in the upper growth which is evaporated by the wind rushing through the foliage.

BEFORE THE FLOWER SHOWS. Few visitors to the great flower shows which are held each spring in the leading cities have the faintest idea of the months of preparation which precede them in the large commercial plant establishments whose displays are such an impressive feature of the exhibitions. Yes, and of the years of experience and the expert attention, to



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Then there is Wilson's FUNG-O . . . . an efficient [illegible] for Mildew, Black Spot, [illegible] Rose Diseases and Evergreen Blights. Particularly recommended for the Nectria Canker on Boxwood. 1 Gallon $4.00 5 Gallons $15.00—10 Gallons $[illegible]

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SPRINGFIELD, NEW JERSEY

[illegible] & Atkins, the firm which this [illegible]

[illegible] of feverish activity and watchful waiting. [illegible] Roses, Dogwoods, Cherries, Magnolias, Wisterias, Rhododendrons, Kalmias, [illegible] spare corner is filled with turf being [illegible] of the [illegible]

grances of flowers and rich soil, unchecked by cool air or its moist warmth and beauty. An exotic world through which quiet men move slowly, eyes on the exact stage of bud and leaf, drawing a [illegible] there, shifting this plant or that to a [illegible] individual development suggests.

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YOUNG PERENNIALS. A great deal of the success of perennials grown from seed it here depends upon the care they receive and the resultant development which they make during their first season. If, by late summer, the seedlings have become stocky, well rooted young plants they can be set out in their permanent locations with excellent prospects of coming through the winter unscathed and blossoming next year. On the other hand too young or poorly developed plants will need a lot of special care to pull them through the cold weather, and in all probability their next season's showing will be nothing to boast about.

For these reasons there are decided advantages in sowing perennial seeds in early spring, as is done with annuals. From the flats they are transplanted to a [illegible]

Continued on page 117



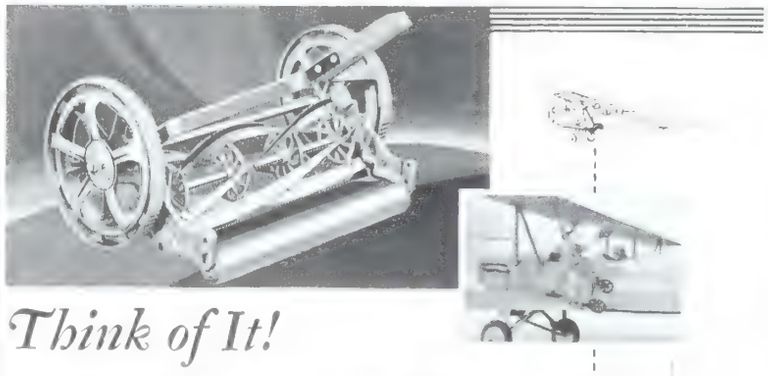
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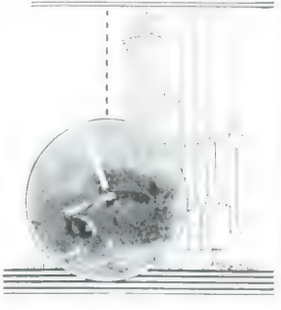
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Building Materials

Bathroom Equipment

MODERN BATHROOMS FOR OLD. Lovely color illustrations in this brochure accompanied by descriptions, explain how you can modernize your bathroom. A charge of ten cents is made for the booklet. SARAH STEVENS, DEPT. G3, C. F. CHURCH MFG., HOLYOKE, MASS.

HOMES OF COMFORT. A chart in the front gives the colors in which Crane fixtures are available and illustrations show bathrooms and kitchens equipped with colored fixtures. Floor plans will assist in converting odd shaped spaces into bathrooms. CRANE CO., 836 S. MICHIGAN AVE., CHICAGO, ILL.

MATCHED BEAUTY IN PLUMBING FIXTURES. Photographs show the important equipment of the bathroom designed to give beauty and unity of design to the room. KOHLER CO., KOHLER, WIS.

"STANDARD" PLUMBING FIXTURES. Photographs of the numerous styles of bathroom equipment. The plans for converting unused space into bathrooms are very interesting. STANDARD SANITARY MFG. CO., 106 SIXTH STREET, PITTSBURGH, PA.

Hardware

HARDWARE FOR UTILITY AND ORNAMENTATION. A wide selection of hardware for both front doors and interior doors is to be found in this attractive booklet. Helpful instructions are given on selecting locks. SARGENT AND COMPANY, NEW HAVEN, CONN.

EARLY AMERICAN WROUGHT IRON HARDWARE. Illustrations and descriptions of several attractive designs in this period. P. & F. CORBIN, NEW BRITAIN, CONN.

House Building Materials

COPPER, BRASS AND BRONZE IN THE HOME. This book emphasizes the importance of building for permanence in the beginning, or, if you are repairing, the use of such enduring metals as copper, brass and bronze. THE AMERICAN BRASS COMPANY, WATERBURY, CONNECTICUT.

CELOTEX CANE FIBRE INSULATION. It is described as a material that both insulates and builds. Its method of application is explained. THE CELOTEX CO., 919 N. MICHIGAN AVE., CHICAGO, ILLINOIS.

IMPERIAL ROOFING TILES. A collection of folders showing the Imperial, Antique, Provincial, Brittany, and the Cinde Shingle tiles. Each is described and illustrated in a separate booklet. EDWARD CLEADON CO., 104 S. MICHIGAN AVE., CHICAGO, ILL.

PORTLAND CEMENT STUCCO WITH MEDUSA WATERPROOFED WHITE PORTLAND CEMENT. This booklet gives the advantages and the general specifications of this water repellent cement stucco. MEDUSA PORTLAND CEMENT CO., 1002 ENGINEERS BLDG., CLEVELAND, OHIO.

THERMAX, THE FIREPROOFING, INSULATION. Thermax is described in this leaflet as a fireproof insulating lumber, manufactured in three thicknesses. THERMAX CORP., 1411 FOURTH AVENUE, SEATTLE, WASH.

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House Building, Misc.

HODGSON HOUSES. Several of these houses are shown in Booklet G-5, accompanied by their floor plans. This concern also makes garages, play houses and garden furniture. E. F. HODGSON CO., 1108 COMMONWEALTH AVE., BOSTON, MASS.

SUMMER IN THE HOME OF YOUR DREAMS. Sectionally constructed houses completely furnished are described. All the furnishings and accessories are listed. POPE AND COTTLE CO., 125 REVERE BEACH PARKWAY, REVERE, MASS.

SEDGWICK DUMB WAITERS AND ELEVATORS. The many types of dumb waiters and elevators manufactured by this concern are described and illustrated in this booklet. SEDGWICK MACHINE WORKS, 140 W. 15TH STREET, NEW YORK CITY.

Heating, Humidifying and Ventilating

BON-AIR, THE MODERN CONCEALED RADIATION. Technical drawings show the installation of these radiators. THE BON-AIR RADIATOR CORP., CHAMBER OF COMMERCE BLDG., BOSTON, MASS.

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Incinerators

INCINERATORS (CHIMNEY-FED). Describes the Kernator and its method of operation. Built in a number of sizes. KERNER INCINERATOR CO., 3541 N. RICHARDS ST., MILWAUKEE, WISCONSIN.

Screens & Windows

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FENESTRA FENCRAFT CASEMENTS. Sectional views show the installation and operation of the casements. DETROIT STEEL PROD. CO., 2250 E. GRAND BLVD., DETROIT, MICHIGAN.

HELGIN VENETIAN BLINDS. A descriptive booklet showing window treatments using these blinds. THE HELGIN MFG. CO., H-031, NEWPORT, KY.

A HAVEN FROM DESERT HEAT. A leaflet on the Vudor Ventilating Porch Shades calling special attention to the ventilator at the top of the shade. HOUGH SHADE CORP., JANESVILLE, WIS.

KANE QUALITY SCREENS AND VENETIAN BLINDS. Sectional views and text explain the advantages of these screens, and photographs show windows colorfully decorated by Venetian blinds. KANE MFG. CO., DEPT. G-5, KANE, PA.

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Gardening

Garden Furniture & Decorations

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INSECTS AND THEIR CONTROL. A concise account of various insects likely to infest gardens, shrubs and trees, and how to control them. The price is $2.00. ANDREW WILSON, DEPT. H., SPRINGFIELD, N. J.

HOW TO GROW A SUCCESSFUL GARDEN. Explains how plants will thrive when fed as BloomAid. LAWN & GARDEN DEPT., VIRGINIA-CAROLINA CHEMICAL CORP., RICHMOND, VA.

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KELLER HEMLOCK NURSERY. Describes plants that prefer moist, shady locations. Many [illegible] suggestions. KELLER HEMLOCK NURSERY, [illegible] K, EAST BRIDGEWATER, MASSACHUSETTS.

[illegible] ANNUAL CATALOG [illegible] Containing [illegible] and [illegible] Special attention has been [illegible] to [illegible] and [illegible] Box 79, LITTLE SILVER, N. J.

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Additional reviews will be found on the next page

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J.

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VOGUE'S BOOK OF PRIVATE CAMPS Gene information for those who contemplate sen ing children to a camp. From this lookl a clear picture of camp life and what ecompanies will be gained. HOUSE & GA DEN'S CAMP BUREAU, 1750 GRAYBAR BU LDING, LEXINGTON AVE. AND 43RD, NEW YORK CITY.

VOGUE'S BOOK OF PRIVATE SCHOOLS E pert-written with complete information a the various types of private schools t exist today—their requirements, difference tuition fees. This brochure p vides a study of all types of schools f nursery grade to finishing and vocation schools. HOUSE & GARDEN'S SCHOOL BUREA GRAYBAR BUILDING, NEW YORK CI

Travel

ESCORTED TOURS TO EUROPE, 1931. Th booklet lists the various classes, th sailing and returning dates, the places t visit, and the prices of the tours that a described throughout the booklet. AMERIC EXPRESS COMPANY, 65 BROADWAY, N. Y. C

THE EMPRESS OF BRITAIN. Showin beautiful color illustrations and descri ing this new ship. CANADIAN PACIFI 344 MADISON AVE., N. Y. C.

HAWAIIAN ISLANDS. Booklet describin these beautiful islands. It includes a ma showing the location of the various island in the group and the important cities HAWAII TOURIST BUREAU, 229-E BUSH ST., SAN FRANCISCO, CALIF.

INDIA AND BURMA. A handbook for visitors Notes with a list of the most interestin places, many of which are illustrated, are facts concerning suitable clothes, customs and passport regulations, etc. INDIA STATE RAILWAYS, DELHI HOUSE, 38 E. 57TH ST., NEW YORK CITY.

FRANCE. Brochure illustrating and describ ing the important and picturesque French cities that can be visited through the medium of the Railways of France. The explanatory maps are particularly note worthy. INTERNATIONAL WAGONS-LITS, 70 FIFTH AVENUE, N. Y. C.

PROGRAMME OF CIRCULAR TOURS. Out lining a series of tours in England, Scot land, Ireland and Wales. LMS CORP. DEPT. A-46, 200 FIFTH AVE., N. Y. C

LOOKING AT BRITAIN. How to see the important and beautiful spots in England by railway. LONDON & NORTH EASTERN RY., 11 W. 42ND ST., NEW YORK CITY.

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(CONTINUED FROM PAGE 111)

drained soil containing plenty of humus. Let this be so located that it receives some morning and late afternoon sun, but little if any during the heat of the day. Protection from heavy winds is desirable, too.

Careful cultivation and weeding of the seedling bed, coupled with ample watering during dry spells, are of definite importance. Indeed, they are the best kind of success insurance you can have, with the possible exception of the soil.

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In the application of this food it is important to get it in deeply, for if merely scattered on the surface and left for the rains to carry it down a good deal of its benefit will be taken up by the grass and other shallow rooting plants which may be present. With trees and shrubs of good size this is best accomplished by punching holes with a crowbar toward the outer limits of the root-run, where most of the feeding rootlets are, and partially filling them with tree food before completing the operation with good soil. These holes may be from eight inches to two feet deep, depending on the size and character of the subject, and from one to three feet apart.

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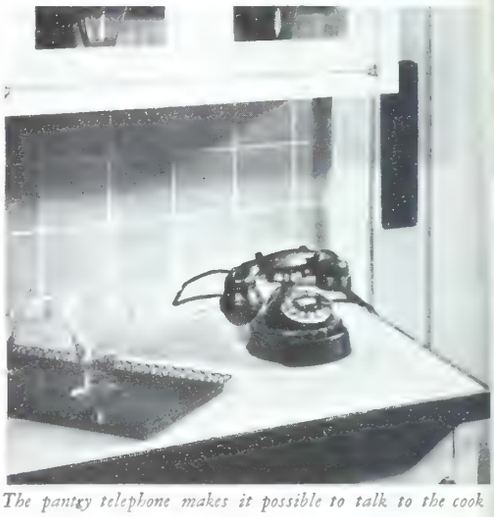
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